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DIRECTORATE OF  
INTELLIGENCE

# Economic Intelligence Statistical Handbook 1972

**Secret**  
ER H 72-1  
August 1972

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*Economic Intelligence*  
*Statistical Handbook*  
*1972*

This handbook was produced solely by CIA. It was prepared by the Office of Economic Research. Data on military expenditures and equipment and on the construction of maritime vessels were supplied by the Office of Strategic Research.

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Gross National Product Per Capita, 1971

INTERNATIONAL ECONOMIC COMPARISONS 1971

More than \$4,000  
Canada  
Sweden  
United States

\$1,701-\$4,000  
Australia  
Austria  
Bahama Islands  
Belgium  
Bermuda  
Czechoslovakia  
Denmark  
East Germany  
Finland  
France  
Iceland  
Israel  
Italy  
Japan  
Kuwait  
Liechtenstein  
Luxembourg  
Monaco  
Nauru  
Netherlands  
New Caledonia  
New Zealand  
Norway  
San Marino  
Switzerland  
United Arab Emirates  
United Kingdom  
USSR  
West Germany

\$1,001-\$1,700  
Andorra  
Argentina  
Brunei  
Bulgaria  
Chile  
Faeroe Islands  
Falkland Islands (Malvinas)  
Greece  
Hungary  
Ireland  
Libya  
Netherlands Antilles  
Panama  
Poland  
Puerto Rico  
Romania  
Spain  
Uruguay  
Venezuela  
Yugoslavia

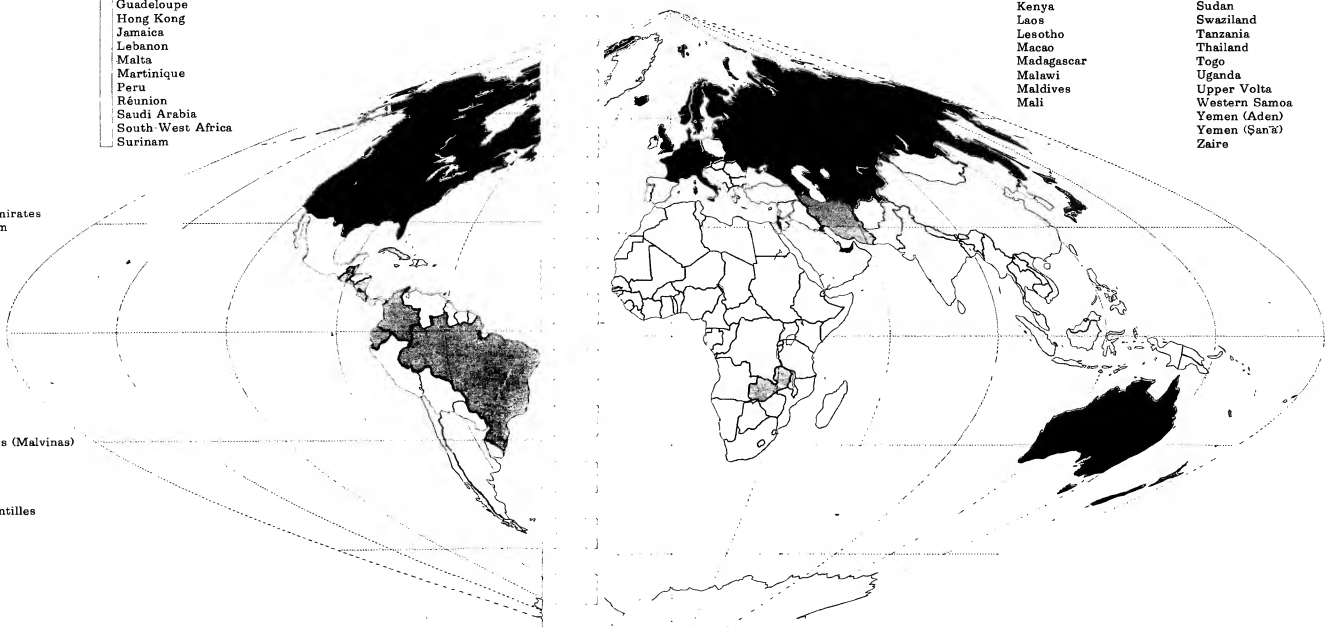
\$801-\$1,000  
Cyprus  
French Guiana  
Greenland  
Mexico  
Portugal  
Republic of South Africa  
Ryukyu  
Singapore  
Trinidad and Tobago

\$601-\$800  
American Samoa  
French Territory of Afars and Issas  
Gabon  
Gibraltar  
Guadeloupe  
Hong Kong  
Jamaica  
Lebanon  
Malta  
Martinique  
Peru  
Réunion  
Saudi Arabia  
South West Africa  
Surinam

\$401-\$600  
Antigua  
Barbados  
Brazil  
British Honduras  
Colombia  
Costa Rica  
Cuba  
Ecuador  
El Salvador  
Guatemala  
Iran  
Mongolia  
Nicaragua  
Qatar  
Zambia

\$201-\$400  
Albania  
Algeria  
Angola  
Bahrain  
Bolivia  
Congo  
Dominica  
Dominican Republic  
Equatorial Guinea  
Fiji  
Ghana  
Grenada  
Guyana  
Honduras  
Iraq  
Ivory Coast  
Jordan  
Liberia  
Malaysia  
Mauritius  
North Korea  
Oman  
Papua, New Guinea  
Paraguay  
Portuguese Guinea  
Republic of China  
St. Kitts - Nevis - Anguilla  
St. Lucia  
South Korea  
Southern Rhodesia  
Spanish Sahara  
Syria  
Tonga  
Tunisia  
Turkey

Less than \$201  
Afghanistan  
Bangladesh  
Bhutan  
Botswana  
Burma  
Burundi  
Cambodia  
Cameroon  
Central African Republic  
Ceylon (Sri Lanka)  
Chad  
Dahomey  
Egypt  
Ethiopia  
Gambia  
Guinea  
Haiti  
India  
Indonesia  
Kenya  
Laos  
Lesotho  
Macao  
Madagascar  
Malawi  
Maldives  
Mali  
Mauritania  
Morocco  
Mozambique  
Nepal  
Niger  
Nigeria  
North Vietnam  
Pakistan  
People's Republic of China  
Philippines  
Portuguese Timor  
Rwanda  
St. Vincent  
Senegal  
Seychelles  
Sierra Leone  
Sikkim  
Somalia  
South Vietnam  
Sudan  
Swaziland  
Tanzania  
Thailand  
Togo  
Uganda  
Upper Volta  
Western Samoa  
Yemen (Aden)  
Yemen (San'a)  
Zaire



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Selected Non-Communist Countries										
	United States	Canada	Belgium	France	Italy	Netherlands	United Kingdom	West Germany	Japan	
<b>Aggregate data</b>										
Population										
Million persons at midyear	207.0	21.7	9.7	12.9	54.9	13.2	53.7	61.3*	104.7	
Persons increase	1.1	1.4	0	1.0	0.7	1.5	0.1	1.5*	1.3	
Urban percent	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	
Urban percent increase	1,000.4	89.4	29.7	100.9	101.5	39.2	130.9	127.7*	204.4	
Average annual rate of growth, 1960-71 (percent)	1.0	1.9	1.5	0.7	0.5	0.0	0.9	0.2	1.2	
Per capita GNP (1967)	4,180	4,180	2,270	2,270	2,270	2,270	2,270	2,270	2,270	
Industrial production (1960 = 100)	101	152	108	108	100	100	100	100	100	
Primary energy (million tonnes tons of coal equivalent)	2,120	296	12	61	61	61	100	100	62	
Electric power (million kilowatt-hours)	1,422	219	22	154	136	65	246	260	272	
Crude oil (million tonnes tons)	100	11	12	10	15	5	29	104	50	
Grain (million tonnes tons)	72	8	7	29	32	4	18	61*	19	
<b>Trade and international relations</b>										
Exports (million US\$)	41,385	12,274	12,287	28,284	12,460	12,369	22,240	29,212	29,240	
Imports (million US\$)	40,475	12,813	12,813	28,023	12,460	12,369	22,240	29,212	29,240	
Trade balance (million US\$)	-900	-539	-526	-739	-500	-500	-500	-500	-500	
International reserves (million US\$)	12.9	9.7	9.5	9.5	9.5	9.5	9.5	9.5	9.5	
<b>Industrialization of living standards</b>										
Gross production (kilograms per capita)	1,140	1,727	891	920	381	113	261	320	314	
Mean production (kilograms per capita)	39	71	79	87	26	92	61	86	10	
Electricity (kilowatt-hours per capita)	476	241	217	242	219	219	202	219	219	
Electricity (kilowatt-hours per capita)	2,700	741	273	273	273	273	273	273	273	
Consumer price index (1960 = 100)	137	145	149	157	163	163	163	163	163	
Unemployment (as a percent of total population)	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	
Gross investment as a percent of GNP (1960-70 annual average)	14	22	22	27	21	25	19	27	29	

\* Data are not available.

\* Data for the non-Communist countries were estimated from national statistics as the best estimate of per capita exchange rates agreed to on 28 December 1971 or thereafter. Data for the Communist countries were estimated as the purchasing power equivalent.

\* The base year is the year prior to the initial period. Data for the USSR are as factor costs.

\* Energy expressed in coal equivalent has a variable range of 1,000 kilowatts per kilowatt.

\* Data are in %.

\* Including data for Luxembourg.

\* Data are for 1970.

\* Data are for 1969.

\* Including private and government.

\* 1960-70 annual average.

\* Includes sector only.

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## FOREWORD

1. *Purpose and Scope*

The *Economic Intelligence Statistical Handbook, 1972* provides statistics on the economies of the Communist countries and selected non-Communist countries. The coverage has been expanded, new tables and graphics have been added, and the format has been revised to make possible more explicit comparisons.

In general, the data in the *Handbook* are for 1960, 1965, 1970, and 1971. A summary table is presented for the European Community, Eastern Europe, and India. The data for Mongolia, because of their scarcity, are presented in a summary table but, in general, are not included in the individual commodity or aggregative tables. The graphics are designed for use as visual aids. Footnotes have been used liberally to give definitions, exceptions, and methodology. Footnotes to the commodity tables give more detailed definitions of the data than those appearing for the commodities on the summary table.

2. *Rounding of the Totals*

The totals have been rounded, with some exceptions, to three significant digits. In general, zeros appearing after the last nonzero number following the decimal point are not significant but are used merely for consistency in presentation, and, because of rounding, components may not add to the totals shown. Totals are not presented if missing data are believed to represent a significant part of the total.

3. *Symbols*

The abbreviation *N.A. (not available)* is used when information about the existence of the data or the magnitude of the data is not available, and the abbreviation *Negl. (negligible)* is used when the magnitude of the data is less than half of the final unit employed for each table. The metric system is used throughout.

4. *Classification of Data*

The overall classification of the *Handbook* is SECRET/NO FOREIGN DISSEM. The classi-

fied data are indicated by an asterisk (\*). Tables in which all of the data are classified have been identified accordingly. *Classified data, however, frequently occur on the reverse of the page, and, therefore, caution should be exercised if pages are removed from this publication.*

5. *Sources*

The data given for the most recent years are frequently preliminary and subject to revision. The data for the Communist countries are estimates of this Office, official data from the country cited, or estimates made by other organizations. The data for the non-Communist countries are from publications of the United Nations and the Organization for Economic Cooperation and Development (OECD), are from unclassified publications of other international organizations or individual countries, or are estimates of this Office.

6. *Terms*

Unless otherwise indicated, the term *Communist Countries* includes the USSR, the countries of Eastern Europe, China, North Korea, North Vietnam, Albania, Cuba, and Yugoslavia; the term *Eastern Europe* includes Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, and Romania. The term *NATO* includes the United States, Belgium, Canada, Denmark, France, Greece, Iceland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Turkey, the United Kingdom, and West Germany. The term *European Community* includes Belgium, France, Italy, Luxembourg, the Netherlands, and West Germany. The term *developed countries* includes Austria, Belgium, Denmark, Finland, France, Iceland, Ireland, Italy, Liechtenstein, Luxembourg, Norway, the Netherlands, Sweden, Switzerland, the United Kingdom, West Germany, Australia, Canada, Japan, New Zealand, South Africa, and the United States. The term *Organization for Economic Cooperation and Development* includes Greece, Portugal, Spain, Turkey, and all the developed countries, except Liechtenstein, New Zealand, and South Africa. The term *less developed countries* includes the following non-Communist countries:

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(1) all countries of Africa except the Republic of South Africa, (2) all countries of East Asia except Japan, (3) Portugal and Spain in Europe, (4) all countries in Latin America, and (5) all countries in the Middle East and South Asia.

As far as possible, production data for the Saar have been included in the data for West Germany

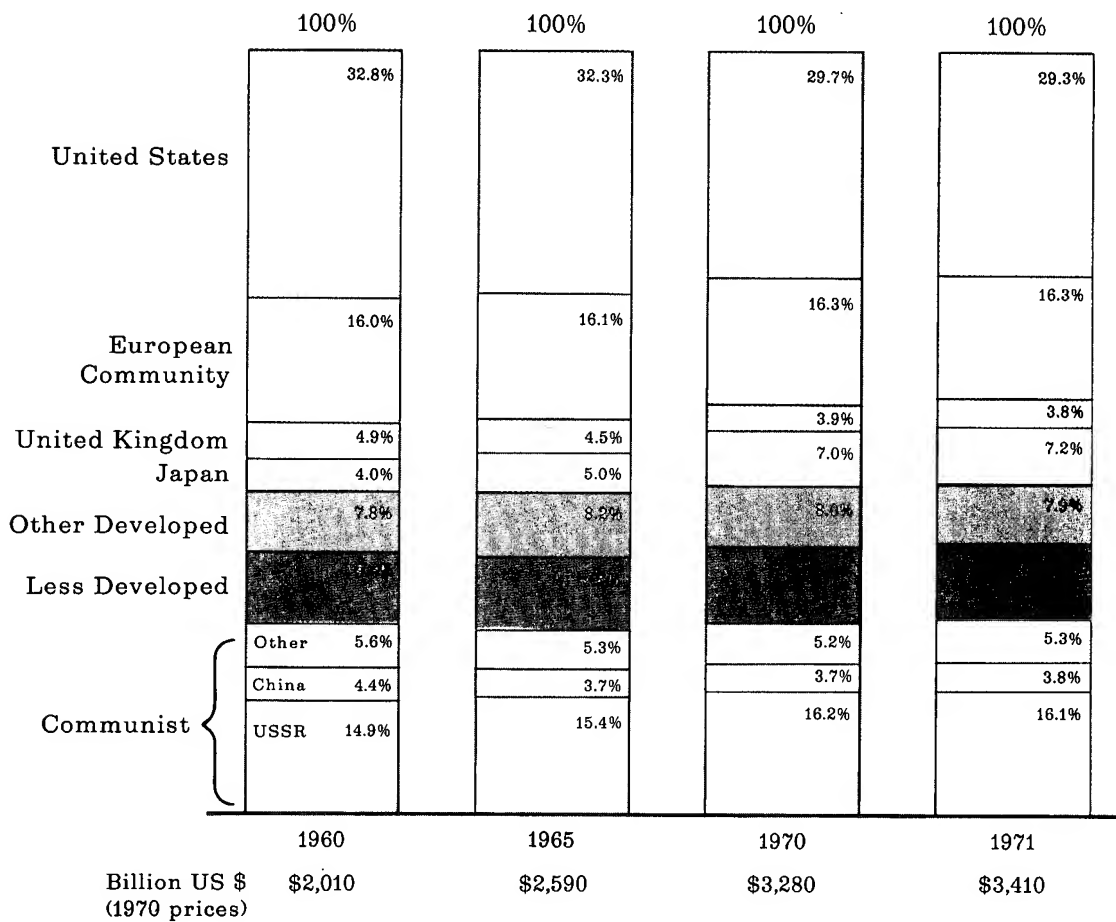
for all years, unless otherwise indicated. Totals for the country groupings may or may not include all of the countries listed above, depending on the commodity or services listed. Individual non-Communist countries listed under any of the groupings represent major producers only.

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Figure 1

# World Gross National Product

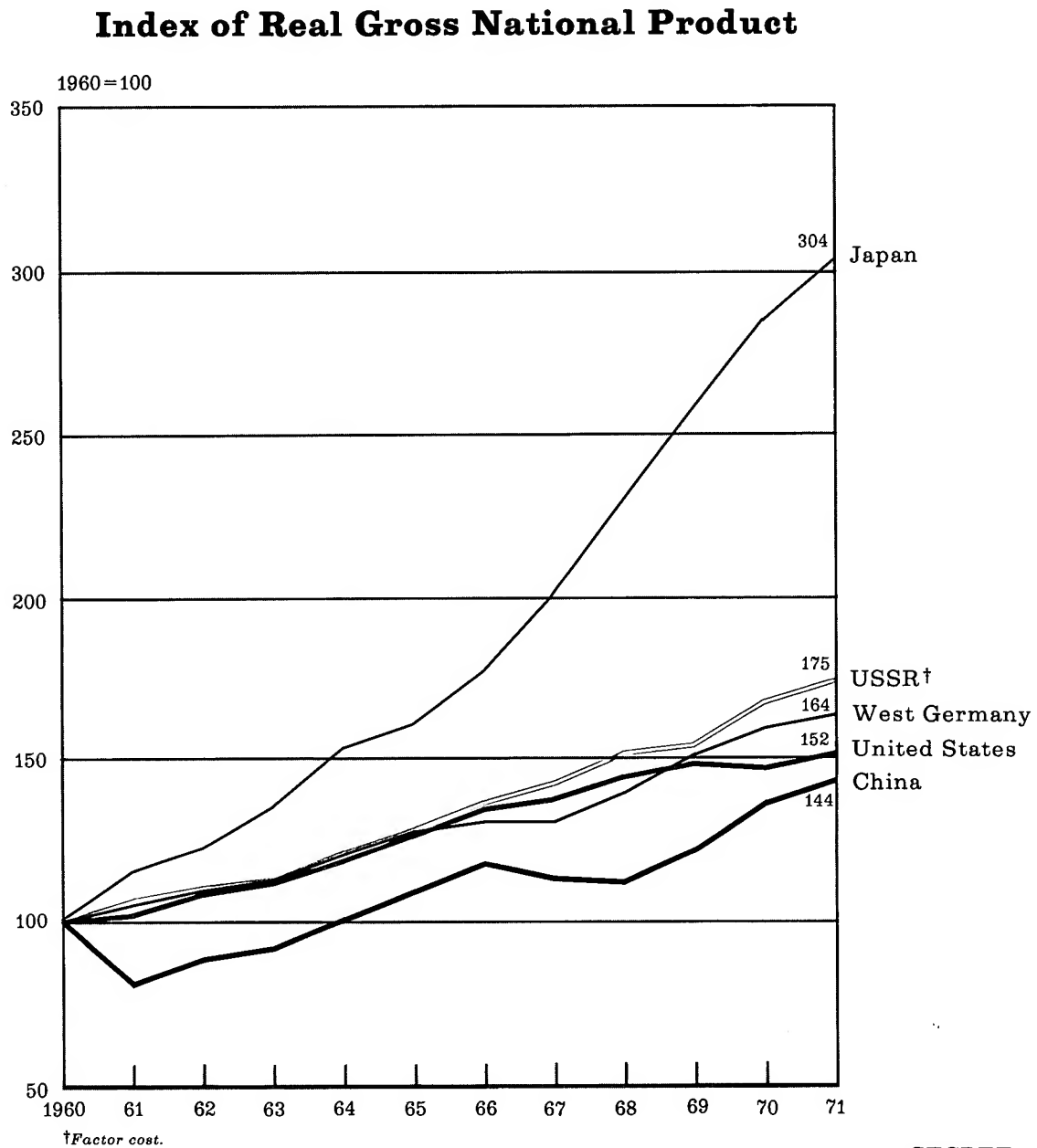


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Figure 2



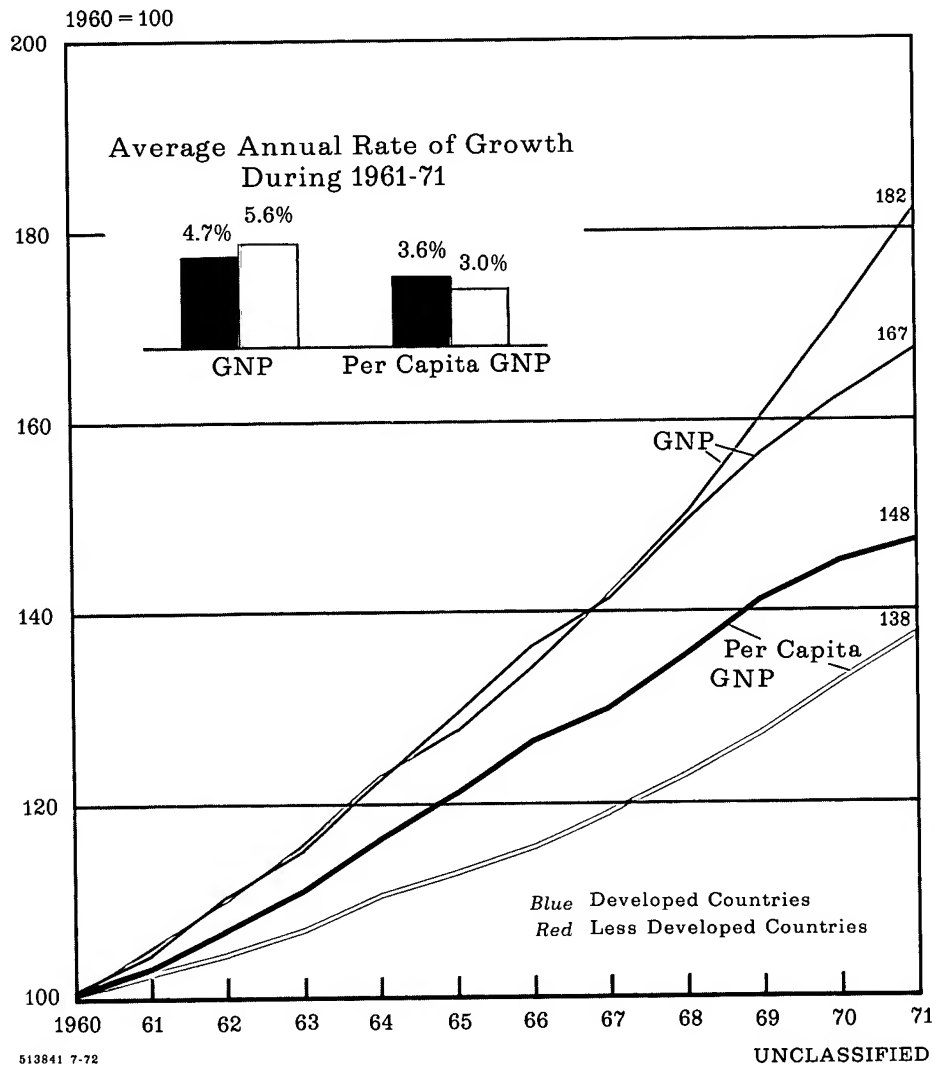
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Figure 3

# **Index of Real Gross National Product in Developed and Less Developed Countries**



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Table 1

Estimated Gross National Product at Market Prices <sup>a</sup>

Billion 1970 US \$

	1960	1965	1970	1971
WORLD.....	2,010*	2,590*	3,280*	3,410*
NATO COUNTRIES.....	1,160	1,480	1,780	1,830
United States.....	659.8	835.5	974.1	1,000.4
Canada.....	50.8	67.0	84.5	89.1
United Kingdom.....	98.3	115.9	129.3	130.9
ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT.....	1,340	1,730	2,170	2,250
Australia <sup>b</sup> .....	19.2	25.2	36.6	38.4
Japan.....	80.5	129.7	230.5	244.6
Spain.....	16.9	25.6	35.0	36.9
Sweden.....	22.4	29.2	35.1	35.2
Switzerland.....	15.1	19.5	23.1	24.2
EUROPEAN COMMUNITY.....	321	416	537	555
Belgium.....	17.8	22.8	28.7	29.7
France.....	91.1	121.1	160.0	168.9
Italy.....	58.0	75.0	100.1	101.5
Netherlands.....	21.1	27.0	34.9	36.2
West Germany <sup>c</sup> .....	132.4	169.3	211.9	217.7
DEVELOPED COUNTRIES.....	1,320	1,700	2,130	2,200
LESS DEVELOPED COUNTRIES.....	192	246	328	350
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	411*	534*	701*	729*
USSR.....	298.8*	397.8*	530.6*	548.6*
Eastern Europe.....	113	136	171	180
Bulgaria.....	6.1	8.2	11.8	12.7
Czechoslovakia.....	25.2	26.9	32.7	34.0
East Germany.....	27.5	32.3	39.8	41.4
Hungary.....	11.0	13.3	16.0	16.7
Poland.....	29.1	37.5	46.2	48.6
Romania.....	13.7	18.1	24.2	26.6
Far East				
China.....	89	97	122	128

\* An asterisk indicates that the data are classified.

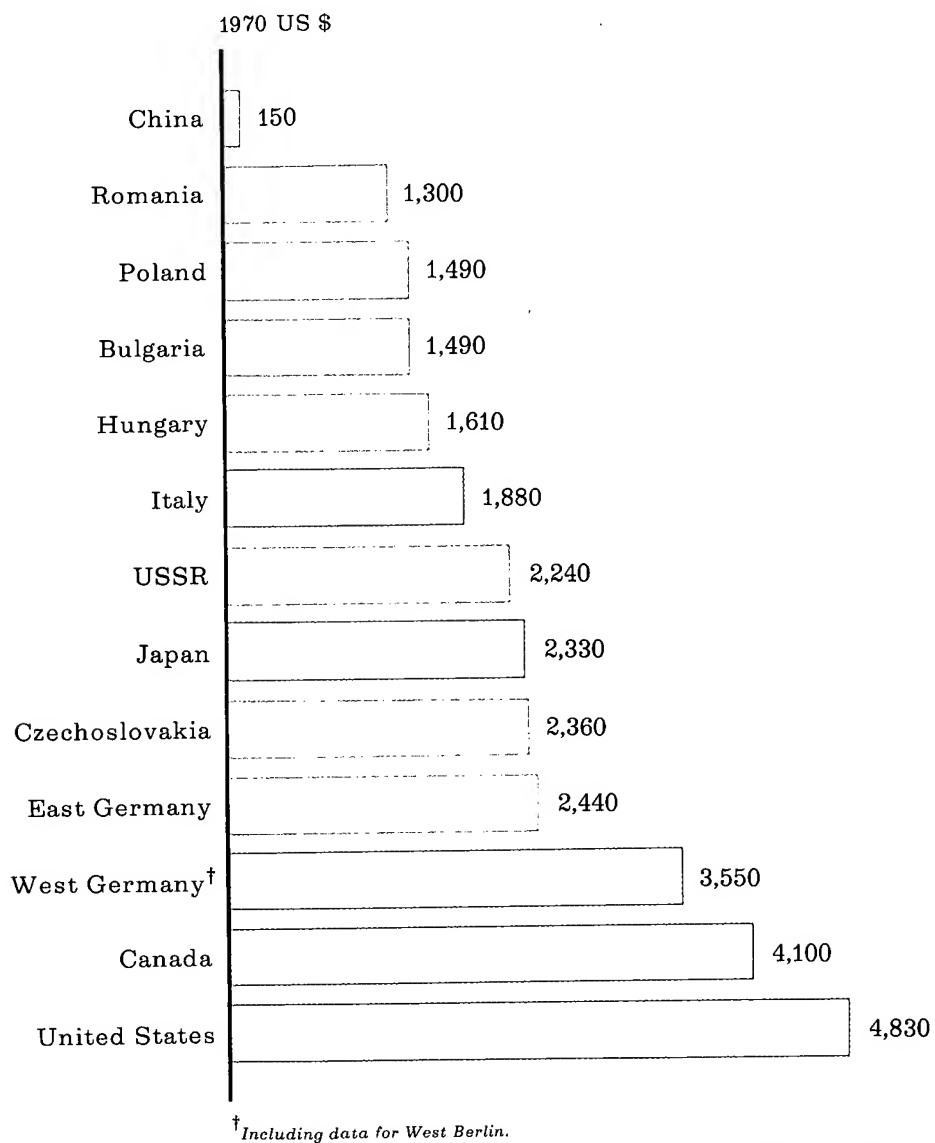
<sup>a</sup> Data for the non-Communist countries were converted from national currencies at the new central or par value rates of exchange agreed to on 18 December 1971 or thereafter. Data for the Communist countries were converted at US purchasing power equivalents.<sup>b</sup> Fiscal year ending 30 June of the stated year.<sup>c</sup> Including data for West Berlin.



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Figure 4

### Per Capita Gross National Product, 1971



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Table 2

## Gross National Product in Purchasing Power Equivalents and Exchange Rate Equivalents

	Gross National Product, 1971 (Billion 1970 US \$)			National Currency per US \$		
	Purchasing Power Equivalents <sup>a</sup>	Central Rate <sup>b</sup>	Par Value Rate <sup>c</sup>	Purchasing Power Equivalents	Central Rate <sup>d</sup>	Par Value Rate <sup>e</sup>
EUROPEAN NATO.....	800	750	680			
Of which:						
Belgium.....	35.6	29.7	26.7	37.4799	44.8159	50
Denmark.....	16.8	17.2	16.0	7.1333	6.98	7.50
France.....	191.7	168.9	155.6	4.5059	5.1157 <sup>f</sup>	5.55419
Italy.....	110.3	101.5	94.4	535.10	581.5	625
Netherlands.....	38.3	36.2	32.5	3.0698	3.2447	3.62
Norway.....	12.3	12.9	12.0	6.958	6.64539	7.14286
United Kingdom.....	153.3	130.9	120.5	0.3276	0.383772 <sup>f</sup>	0.416667
West Germany <sup>g</sup> .....	198.7	217.7	191.7	3.531	3.2225	3.66
OTHER COUNTRIES						
Japan.....	259.2 <sup>h</sup>	244.6	209.3	290.6	308	360

<sup>a</sup> For the individual European NATO countries, the ratios for converting gross national product (GNP) in national currencies at 1970 prices into 1970 US dollars on the basis of US purchasing power equivalents are derived from the 1950 ratios in Milton Gilbert and Associates, *Comparative National Products and Price Levels*, OEEC, Paris, 1958, using the geometric mean of European and US weighted ratios. These 1950 ratios were moved to 1970 by applying the following factor: the derived price indexes for each European country for 1950-70 divided by a derived price index for the United States for 1950-70. These price indexes were derived for each country by dividing the growth of GNP in current prices by the growth of GNP in constant prices. The ratios thus obtained were applied to the GNP values, given in the national currencies in 1970 prices. The total GNP for the European NATO countries is based on the estimate that the total GNP of the individual countries shown represents 95% of the total European NATO GNP.

<sup>b</sup> GNP in national currencies converted to US dollars using central exchange rates.

<sup>c</sup> GNP in national currencies converted to US dollars using par value exchange rates.

<sup>d</sup> Exchange rate as of May 1972.

<sup>e</sup> Exchange rate as of April 1971.

<sup>f</sup> Par value rate.

<sup>g</sup> Including data for West Berlin.

<sup>h</sup> Converted at US purchasing power equivalents in approximately the same manner as the data for the EUROPEAN NATO countries.

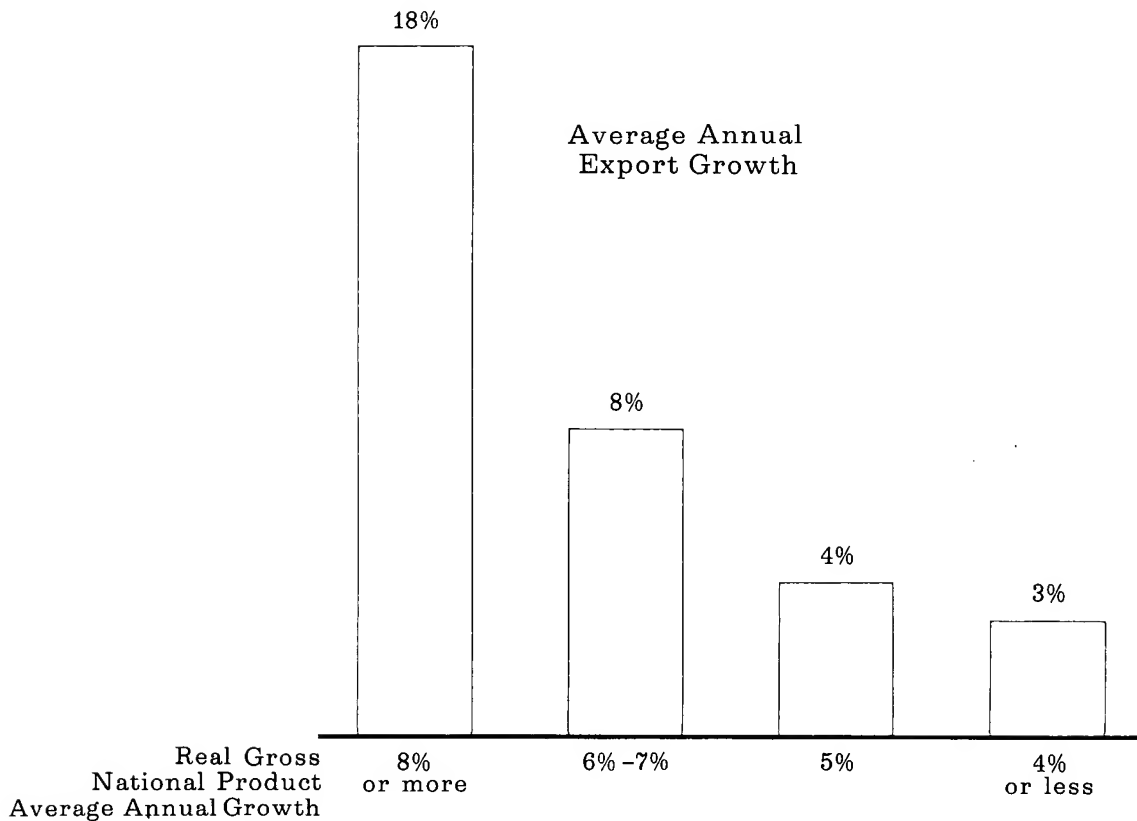
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Figure 5

### Economic and Export Growth in Less Developed Countries, 1960-71



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Table 3  
Index of Industrial Production <sup>a</sup>

	1960 = 100				Average Annual Rate of Growth <sup>b</sup> (Percent)	
	1960	1965	1970	1971 <sup>c</sup>	1961-65	1966-71
NATO COUNTRIES						
United States.....	100	135	161	161	6.2	3.0
Canada.....	100	140	177	183	7.0	4.6
EUROPEAN COMMUNITY.....	100	131	179	184	5.5	5.8
France.....	100	128	176	186	5.1	6.4
Italy.....	100	139	197	192	6.8	5.5
West Germany.....	100	132	176	179	5.7	5.2
ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT.....	100	133	172	177	5.9	4.9
United Kingdom.....	100	116	132	133	3.0	2.3
Japan.....	100	172	369	388	11.5	14.5
COMMUNIST COUNTRIES						
USSR and Eastern Europe						
USSR <sup>d</sup> .....	100*	139*	193*	203*	6.8*	6.5*
Eastern Europe.....	100	133	186	199	5.9	6.9
Bulgaria.....	100	174	293	321	11.7	10.7
Czechoslovakia.....	100	120	156	165	3.7	5.5
East Germany.....	100	119	155	163	3.5	5.4
Hungary.....	100	139	178	187	6.8	5.1
Poland.....	100	139	195	209	6.8	7.0
Romania.....	100	167	274	301	10.8	10.3
Far East						
China <sup>e</sup> .....	100	92-98	123-141	138-158	-1.0 <sup>f</sup>	7.7 <sup>f</sup>
Other						
Yugoslavia.....	100	165	222	245	10.5	6.8

\* An asterisk indicates that the data are classified.

<sup>a</sup> Indexes for the non-Communist countries are value-added weighted indexes of intermediate and final products of industry. Industry includes manufacturing and mining and, in most countries, public utilities. The indexes for the Communist countries are estimates of this Office—constructed as nearly as possible on the same basis as the indexes for Western countries—or other calculations accepted by this Office. The indexes for the Communist countries include manufacturing, mining, and public utilities.

<sup>b</sup> The base year is the year prior to the stated period.

<sup>c</sup> Preliminary.

<sup>d</sup> Index of gross values for individual commodities and branches aggregated by 1968 value-added weights. The three sectors covered—materials, machinery, and nondurable consumer goods—constitute 50.14%, 30.11%, and 19.75%, respectively, of the value-added weights for industrial production. This index is as comparable as data will permit with the index of US industrial production of the US Federal Reserve Board.

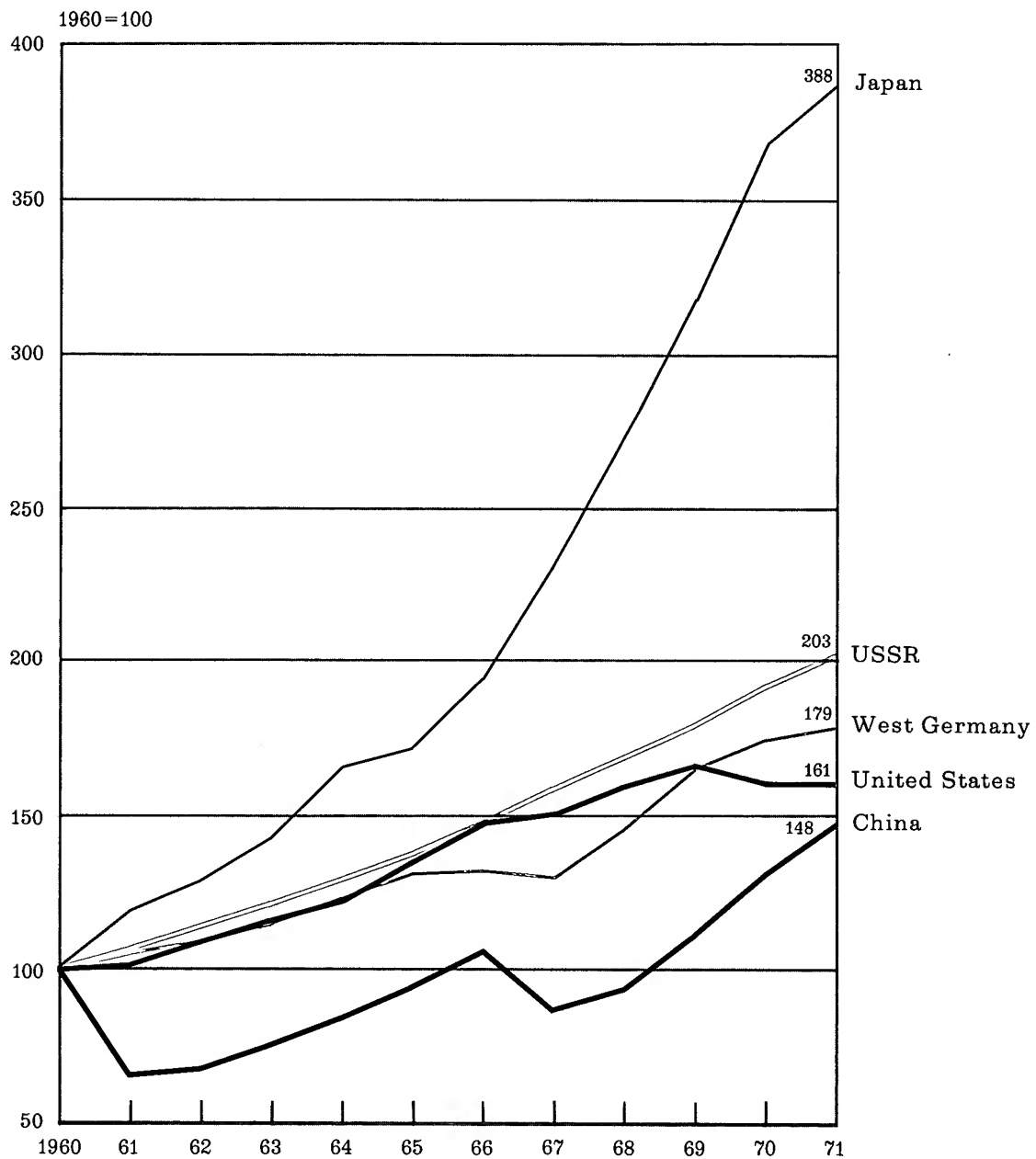
<sup>e</sup> Estimates of this Office computed by applying value-added weights to data for commodity production. The data are fragmentary and uncertain; therefore, the index should be regarded as providing only a tentative indication of the general level and trend in production.

<sup>f</sup> Based on the midpoint of the range.

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Figure 6

## Index of Industrial Production



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Table 4  
Official Communist Indexes of Gross Industrial Production <sup>a</sup>

	1960 = 100				Average Annual Rate of Growth <sup>b</sup> (Percent)	
	1960	1965	1970	1971	1961-65	1966-71
<b>COMMUNIST COUNTRIES</b>						
USSR and Eastern Europe						
USSR.....	100	151	227	245	8.6	8.4
Eastern Europe						
Bulgaria.....	100	174	293	321	11.7	10.7
Czechoslovakia.....	100	129	178	189	5.2	6.6
East Germany.....	100	133	182	192	5.9	6.3
Hungary.....	100	145	196	205	7.7	5.9
Poland.....	100	150	223	240	8.4	8.1
Romania.....	100	191	334	372	13.8	11.8
Far East						
North Korea.....	100	198	332	N.A.	14.6	10.9 <sup>c</sup>
North Vietnam.....	100	184	157 <sup>d</sup>	179 <sup>d</sup>	13.0	-0.4
Other						
Albania <sup>e</sup> .....	100	139	254 <sup>d</sup>	N.A.	6.8	12.8 <sup>c</sup>

<sup>a</sup> These indexes are measures of the "gross" value of production of industry at constant prices. The gross value of production is, in general, the sum of the value of output of all industrial enterprises. The definition of industry in Communist countries includes not only manufacturing, mining, and public utilities, as in most Western definitions of industry, but also certain other activities (varying from country to country).

<sup>b</sup> The base year is the year prior to the stated period.

<sup>c</sup> Rate of growth for 1966-70.

<sup>d</sup> Estimated.

<sup>e</sup> Socialized industry only.

Table 5  
Indexes of Agricultural Production

	1960 = 100				Average Annual Rate of Growth <sup>a</sup> (Percent)	
	1960	1965	1970	1971	1961-65	1966-71
United States <sup>b</sup> .....	100	108	113	123	1.6	2.2
<b>COMMUNIST COUNTRIES</b>						
USSR and Eastern Europe						
USSR <sup>c</sup> .....	100	119	146	144	3.5	3.2
Eastern Europe <sup>d</sup> .....	100	107	116	121	1.4	2.1
Bulgaria.....	100	120	143	147	3.7	3.4
Czechoslovakia.....	100	96	116	118	0.8	3.5
East Germany.....	100	104	107	104	0.8	0
Hungary.....	100	102	125	135	0.4	4.8
Poland.....	100	107	111	114	1.4	1.1
Romania.....	100	113	117	136	2.5	3.1

<sup>a</sup> The base year is the year prior to the stated period.

<sup>b</sup> Excluding production of seeds and of feed for horses and mules.

<sup>c</sup> The weights used to aggregate estimated agricultural output are the average prices realized by all producers for products sold in 1968.

<sup>d</sup> Estimates based on the value of crop production plus the value of livestock products, with allowance for changes in livestock numbers, but minus feed (including grain imported for feed), seed, and waste. FAO/OECD West European regional price weights (1952-56 average) were used to compute the indexes.

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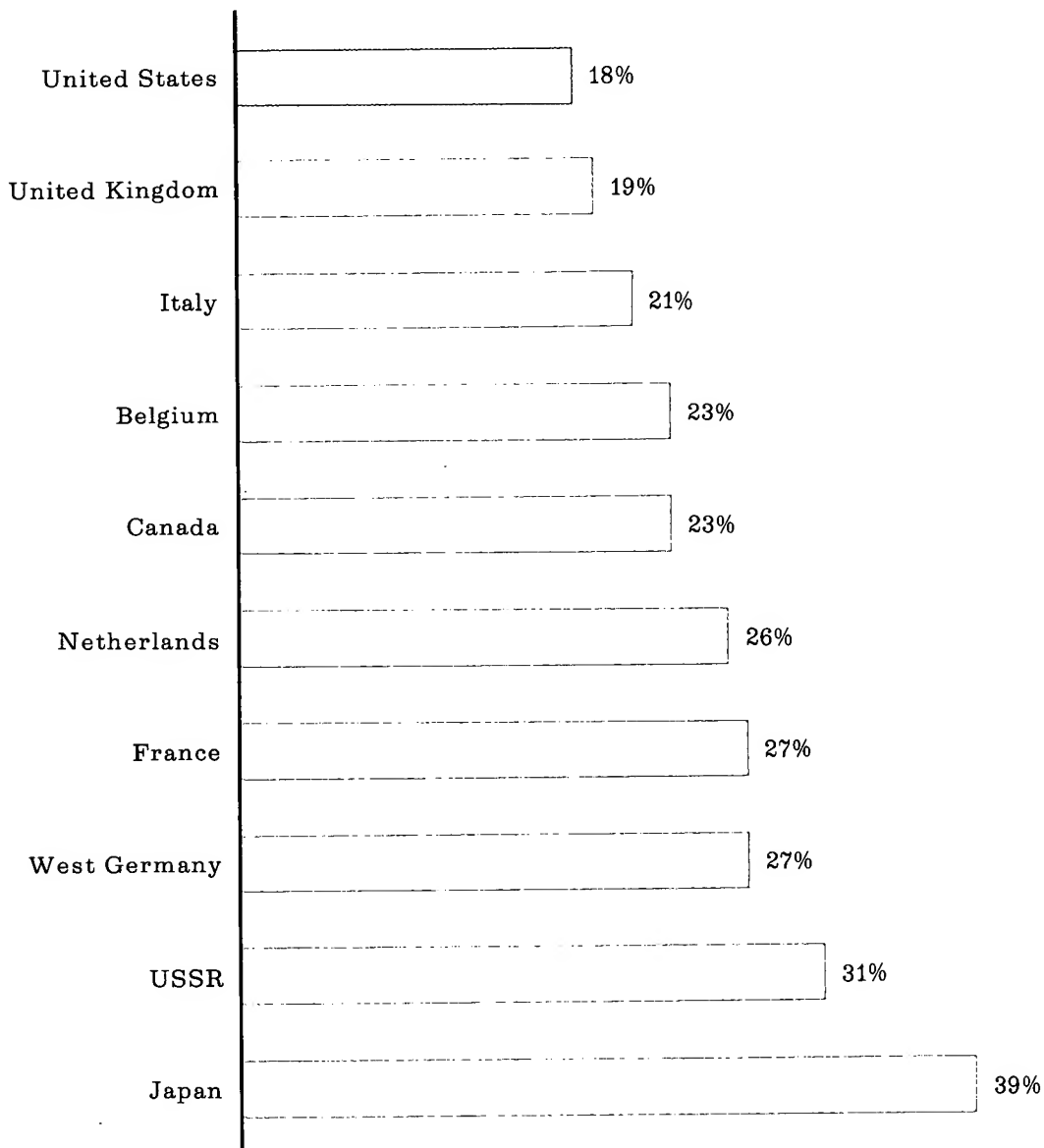
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Figure 7

### Gross Investment<sup>†</sup> as a Share of Gross National Product

(1968-70 Annual Average)



<sup>†</sup> Investment includes private and government.

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## SECRET/NO FOREIGN DISSEM

Table 6

## Defense Expenditures as a Share of Gross National Product

	Percent			
	1965	1968	1969	1970
Organization for Economic Cooperation and Development <sup>a</sup>				
Australia .....	3.7	3.6	4.3	4.0
Austria .....	1.3	1.3	1.3	1.2
Belgium .....	3.0	2.9	2.7	2.8
Canada .....	3.2	2.7	2.4	2.4
Denmark .....	2.9	2.8	2.5	2.3
Finland .....	1.7	2.0	1.5	1.4
France .....	5.5	4.8	4.4	4.1
Greece .....	5.4	4.8	5.1	5.2
Ireland .....	1.2	1.0	1.1	0.9
Italy .....	3.4	3.0	2.8	2.7
Japan .....	0.9	0.8	0.8	0.8
Luxembourg .....	1.7	1.0	1.0	0.8
Netherlands .....	3.9	3.6	3.6	3.5
Norway .....	3.7	3.7	3.6	3.5
Portugal .....	6.3	7.4	6.8	6.9
Spain .....	2.6	3.6	3.3	3.6
Sweden .....	4.4	3.7	3.9	3.6
Switzerland .....	2.6	2.1	2.2	2.1
Turkey .....	5.2	4.9	4.7	4.8
United Kingdom .....	5.9	5.4	5.0	5.0
United States <sup>b</sup> .....	7.6	9.4	8.6	7.6
West Germany <sup>c</sup> .....	4.4	3.6	3.7	3.3
Selected Less Developed Countries <sup>a</sup>				
Egypt .....	6.6	8.0	9.5	9.0
Israel .....	12.2	17.2	20.5	25.1
COMMUNIST COUNTRIES				
USSR and EASTERN EUROPE				
USSR <sup>d</sup> .....	6.7*	6.4*	6.5*	6.2*
EASTERN EUROPE <sup>e</sup>				
Bulgaria .....	2.5*	N.A.	N.A.	2.5*
Czechoslovakia .....	4.4*	N.A.	N.A.	5.0*
East Germany .....	4.0*	N.A.	N.A.	5.1*
Hungary .....	3.3*	N.A.	N.A.	4.1*
Poland .....	4.9*	N.A.	N.A.	6.1*
Romania .....	2.2*	N.A.	N.A.	2.5*
Other				
Yugoslavia <sup>a</sup> .....	2.7	2.8	3.3	3.5

\* An asterisk indicates that the data are classified.

<sup>a</sup> Except for United States, data are from the United States Arms Control and Disarmament Agency. Based on the ratio of military expenditures to gross national product (GNP) at current market prices. Military expenditures are for current and capital expenditures to meet the needs of the armed forces including: expenditures of national defense agencies for military programs; expenditures for the military components of such mixed activities as atomic energy, space, and research and development; military assistance to foreign countries; and expenditures on paramilitary forces where they contribute substantially to a country's military capabilities.

<sup>b</sup> Based on the ratio of military expenditures to GNP in constant 1970 prices.

<sup>c</sup> Including data for West Berlin.

<sup>d</sup> Based on the ratio of military expenditures to GNP in constant 1968 prices.

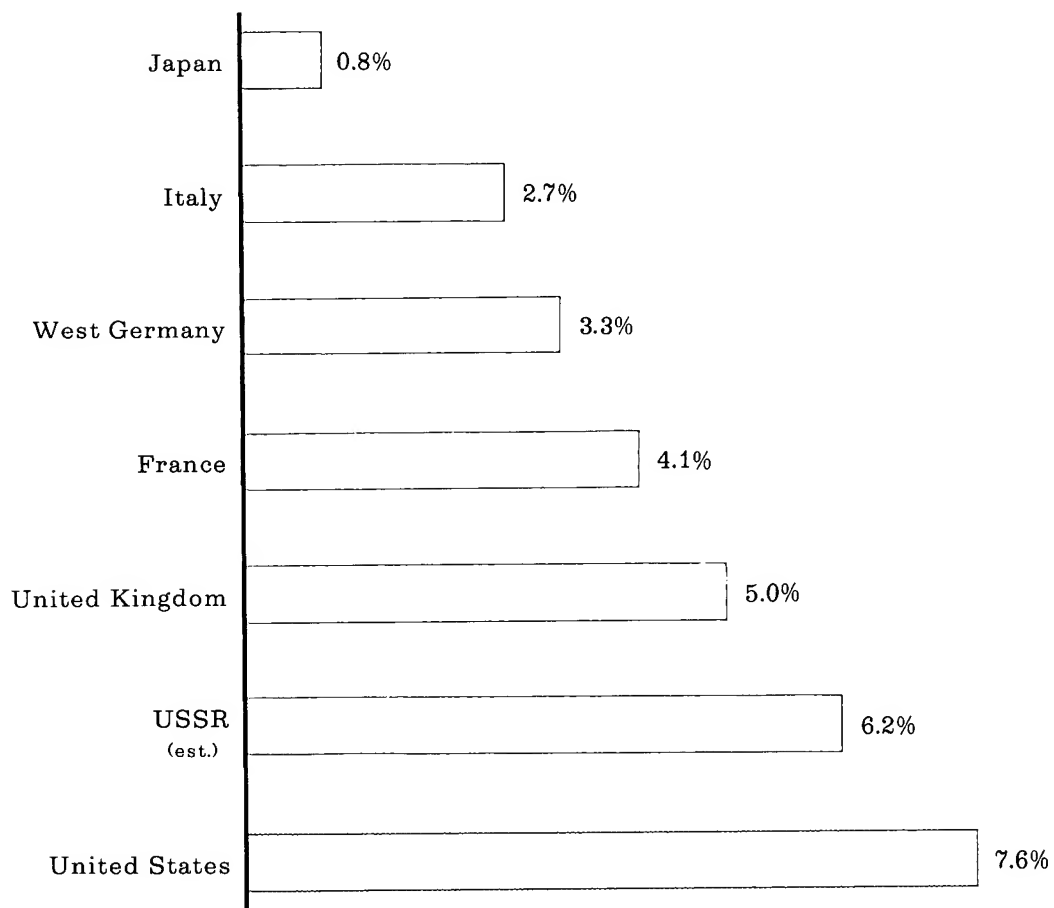
<sup>e</sup> Based on the ratio of military expenditures to GNP in constant 1960 prices.



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Figure 8

**Defense Expenditures as a Share  
of Gross National Product, 1970**



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## ALL DATA IN THIS TABLE ARE CONFIDENTIAL

Table 7

Military Capacities of Selected Ports  
Unloading Capacity in Metric Tons, Based on a 20-Hour Day

## NON-COMMUNIST COUNTRIES

Algeria		Greece		New Zealand	
Algiers.....	34,500	Piraeus.....	30,500	Auckland.....	37,400
Oran.....	19,000	Guinea		Wellington.....	36,400
Angola		Conakry.....	7,300	Nigeria	
Lobito.....	5,100	Hong Kong.....	33,800	Lagos.....	14,900
Argentina		India		Port Harcourt.....	4,900
Buenos Aires.....	116,800	Bombay.....	65,600	Norway	
Australia		Calcutta.....	30,300	Bergen.....	26,400
Brisbane.....	37,300	Cochin.....	8,900	Oslo.....	43,700
Fremantle.....	18,200	Madras.....	15,800	Pakistan	
Melbourne.....	61,100	Vishakhapatnam.....	13,100	Karachi.....	25,200
Newcastle.....	9,100	Indonesia		Philippines	
Sydney.....	76,600	Surabaya.....	31,300	Manila (Luzon I.).....	42,800
Bangladesh		Tandjungpriok.....	37,000	Portugal	
Chalna (anchorage only).....		Iran		Lisbon.....	48,300
Chittagong.....	10,600	Abadan.....	5,300	Republic of South Africa	
Belgium		Khorramshahr.....	9,000	Capetown.....	30,400
Antwerp.....	249,000	Iraq		Durban.....	42,200
Ghent.....	73,200	Basra.....	10,200	East London.....	10,500
Brazil		Ireland		Port Elizabeth.....	13,200
Rio de Janeiro.....	51,800	Dublin.....	25,400	Saudi Arabia	
Santos.....	30,500	Israel		Jeddah.....	3,000
Burma		Eilat.....	4,500	Ra's at Tannurah.....	7,100
Rangoon.....	13,100	Haifa.....	12,200	Senegal	
Cambodia		Italy		Dakar.....	32,500
Kompong Som.....	4,900	Genoa.....	83,300	Singapore	
Canada		Naples.....	31,500	Singapore.....	38,600
Halifax.....	41,200	Trieste.....	50,300	Somalia	
Montreal.....	91,400	Japan		Berbera.....	1,100
Vancouver.....	42,700	Kobe.....	162,500	Mogadiscio.....	500
Ceylon (Sri Lanka)		Moji.....	20,300	South Korea	
Colombo.....	27,200	Nagasaki.....	13,700	Inchon.....	9,000
Chile		Osaka.....	139,200	Pusan.....	43,700
Antofagasta.....	10,200	Tokyo.....	26,400	South Vietnam	
Valparaiso.....	13,200	Yokohama.....	167,600	Saigon.....	14,800
Congo		Jordan		Spain	
Pointe Noire.....	6,300	Al Aqabah.....	3,000	Barcelona.....	37,600
Cyprus		Kenya		Sudan	
Famagusta.....	5,100	Mombasa.....	11,200	Port Sudan.....	10,000
Limassol.....	1,000	Lebanon		Sweden	
Denmark		Beirut.....	12,700	Goteborg.....	79,200
Copenhagen.....	82,300	Libya		Malmö.....	51,000
Egypt		Benghazi.....	5,600	Stockholm.....	72,100
Alexandria.....	47,800	Tripoli.....	11,200	Syria	
Port Said.....	32,500	Malaysia		Latakia.....	6,700
Port Suez.....	22,400	Penang.....	14,100	Taiwan	
Finland		Port Swettenham.....	6,400	Kao-hsiung.....	25,200
Helsinki.....	27,400	Morocco		Kee-lung.....	18,800
Turku.....	15,200	Casablanca.....	25,700	Tanzania	
France		Mozambique		Dar es Salaam.....	5,600
Dunkirk.....	42,700	Beira.....	8,300	Thailand	
Le Havre.....	67,000	Lourenco Marques.....	10,100	Bangkok.....	12,400
Marseille.....	82,300	Netherlands		Tunisia	
Rouen.....	43,700	Amsterdam.....	97,500	Tunis (including La Goulette).....	12,200
Ghana		Rotterdam.....	206,200	Turkey	
Takoradi.....	9,300			Istanbul.....	23,400

## ALL DATA IN THIS TABLE ARE CONFIDENTIAL

Table 7 (Continued)

Military Capacities of Selected Ports  
Unloading Capacity in Metric Tons, Based on a 20-Hour Day (Continued)

## NON-COMMUNIST COUNTRIES (Continued)

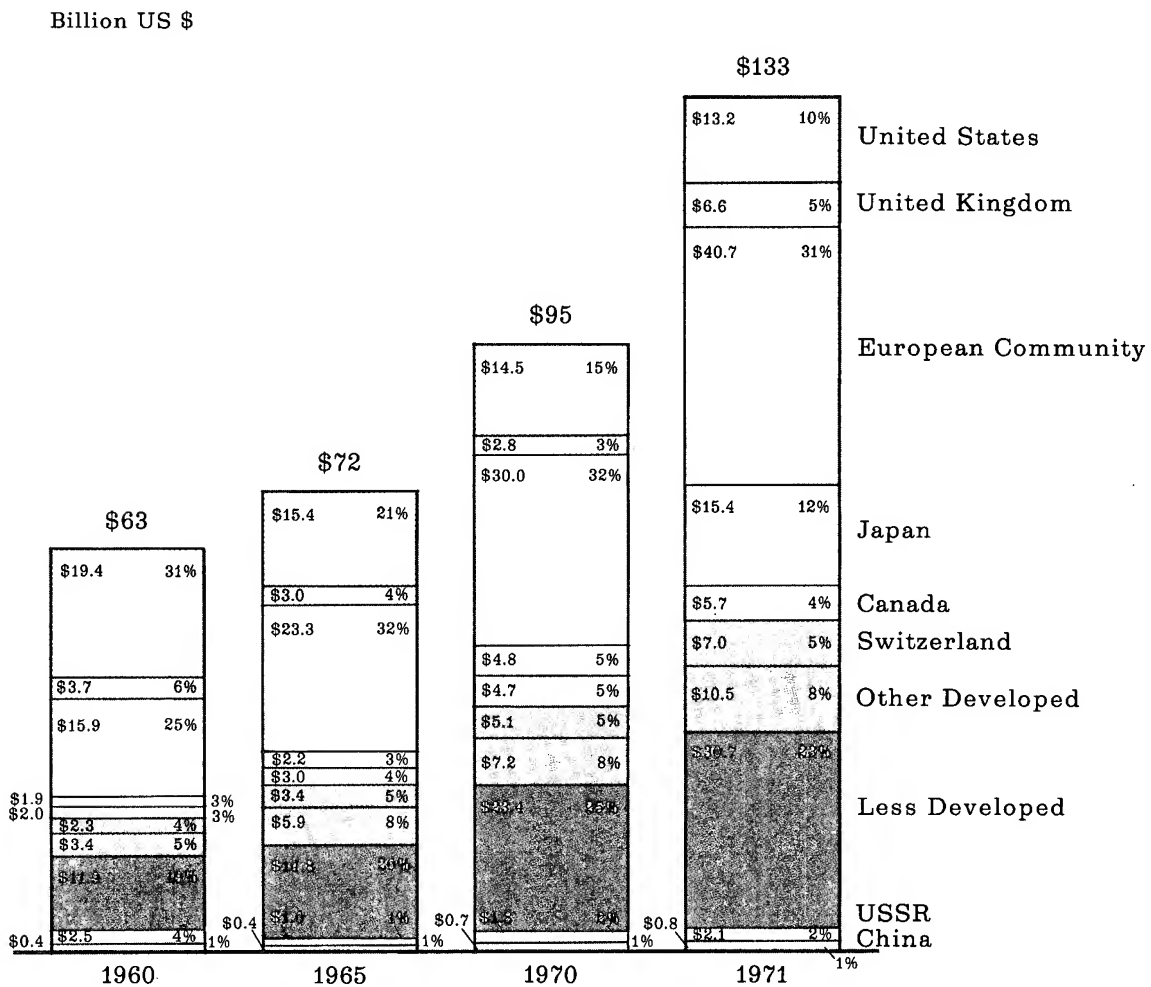
United Kingdom		United Kingdom (Continued)		West Germany	
Belfast.....	22,600	London.....	184,000	Bremen.....	66,000
Cardiff.....	33,100	Manchester.....	70,900	Bremerhaven.....	63,800
Dundee.....	11,800	Southampton.....	33,500	Hamburg.....	161,000
Glasgow.....	53,200	Uruguay		Zaire	
Liverpool.....	188,500	Montevideo.....	16,300	Matadi.....	8,400

## COMMUNIST COUNTRIES

Albania		East Germany		USSR	
Durres.....	5,100	Rostock.....	48,800	Arkhangel'sk.....	66,000
Bulgaria		Wismar.....	15,200	Ilichevsk.....	17,000
Varna.....	22,400	North Korea		Leningrad.....	55,400
China		Chongjin.....	27,400	Liyepaya.....	19,000
Canton.....	8,000	Hungnam.....	7,200	Murmansk.....	38,600
Dairen.....	43,700	Najin.....	18,300	Nakhodka.....	36,600
Fort Bayard (Chan Chiang)		Nampo.....	2,700	Nikolayev.....	18,600
(Tsam Kong).....	5,000	North Vietnam		Novorossiysk.....	32,600
Shanghai.....	70,500	Cam Pha.....	1,200	Odessa.....	38,000
Whampoa.....	9,900	Haiphong.....	5,500	Riga.....	28,400
Cuba		Hon Gay.....	1,200	Tallin.....	39,800
Cienfuegos.....	6,000	Poland		Vladivostok.....	27,500
Havana.....	39,000	Gdansk.....	52,800	Yugoslavia	
Mariel.....	4,500	Gdynia.....	63,000	Ploce.....	9,400
Santiago.....	11,700	Stettin.....	63,000	Rijeka.....	30,500
		Romania		Split.....	29,800
		Constanta.....	31,700		

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Figure 9

**International Reserves<sup>†</sup>**

<sup>†</sup> Including gold and foreign exchange. Data for the non-Communist countries also include Special Drawing Rights and the reserve position in the International Monetary Fund. Data before 1971 for the non-Communist countries are expressed in terms of US dollars at the official par values and, beginning in 1971, reflect the realignment of the exchange rates agreed to on 18 December 1971 and the revaluation of the dollar price of gold.

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## UNCLASSIFIED

Table 8  
Consumer Price Index

1960 = 100

	1960	1965	1970	1971
NATO COUNTRIES				
United States.....	100	107	131	137
Belgium.....	100	113	135	140
Canada.....	100	108	131	135
France.....	100	120	149	157
Italy.....	100	127	146	154
Netherlands.....	100	119	152	163
United Kingdom.....	100	119	149	163
West Germany.....	100	115	131	138
OTHER COUNTRIES				
Japan.....	100	134	175	185
COMMUNIST COUNTRIES				
USSR <sup>a</sup> .....	100	101	101	101
Eastern Europe <sup>b</sup>				
Bulgaria <sup>c</sup> .....	100	106	109	N.A.
Czechoslovakia.....	100	103	111	N.A.
East Germany.....	100	100	100	N.A.
Hungary.....	100	103	108	110
Poland.....	100	111	120	N.A.
Romania <sup>c</sup> .....	100	107	115	N.A.
Other				
Yugoslavia.....	100	190	312	362

<sup>a</sup> Average of the official state retail price index and the collective farm market price index weighted by their respective shares of retail purchases in 1960. Although the index does not reflect changes in prices of everything purchased by consumers (the official state retail price index does not include costs of housing and most consumer services such as laundry, transportation, recreation, household operation, and communications), the index since 1960 is a good representation of a consumer price index because prices of services were essentially constant during this period.

<sup>b</sup> All the indexes are highly suspect—particularly those for East Germany.

<sup>c</sup> Estimated.

UNCLASSIFIED

Table 9  
Wholesale Price Index

1960 = 100

	1960	1965	1970	1971
NATO COUNTRIES				
United States.....	100	102	116	120
Belgium.....	100	109	122	121
Canada.....	100	108	124	126
France <sup>a</sup> .....	100	110	130	135
Italy.....	100	114	129	134
Netherlands <sup>b</sup> .....	100	111	124	129
United Kingdom <sup>b</sup> .....	100	113	135	146
West Germany.....	100	107	110	115
OTHER COUNTRIES				
Japan.....	100	102	114	113
COMMUNIST COUNTRIES				
USSR <sup>c</sup> .....	100	98	106	N.A.
Eastern Europe				
Czechoslovakia <sup>d</sup> .....	100	106	111	N.A.
Hungary <sup>e</sup> .....	100 <sup>f</sup>	92 <sup>g</sup>	102	104
Other				
Yugoslavia <sup>h</sup> .....	100	136	208	237

<sup>a</sup> Intermediate goods prices.<sup>b</sup> Industrial goods prices.<sup>c</sup> Industrial goods prices, including turnover tax.<sup>d</sup> Assumed to include turnover tax.<sup>e</sup> Producers' goods prices, excluding turnover tax.<sup>f</sup> Data are for 1959.<sup>g</sup> Data are for January 1967.<sup>h</sup> Industrial goods prices, excluding turnover tax.

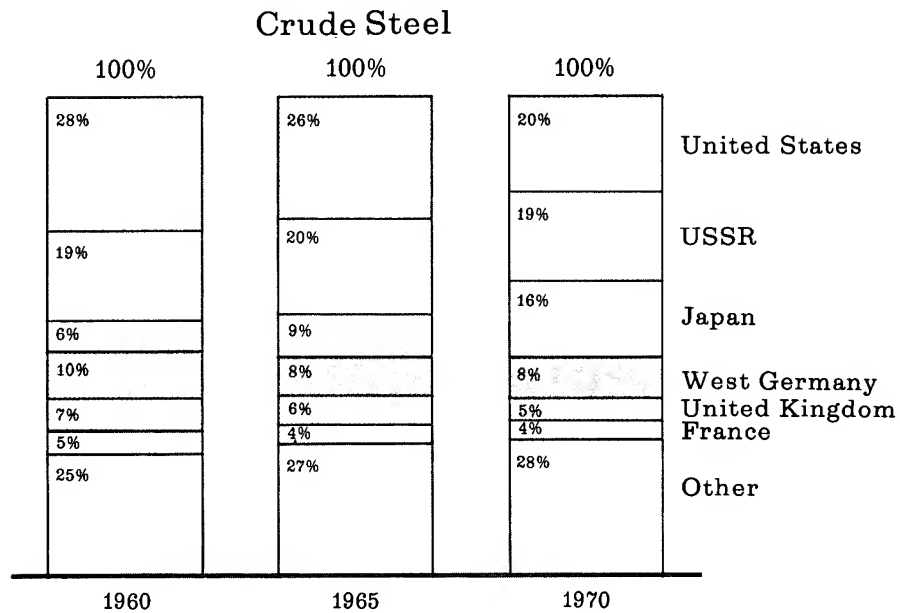
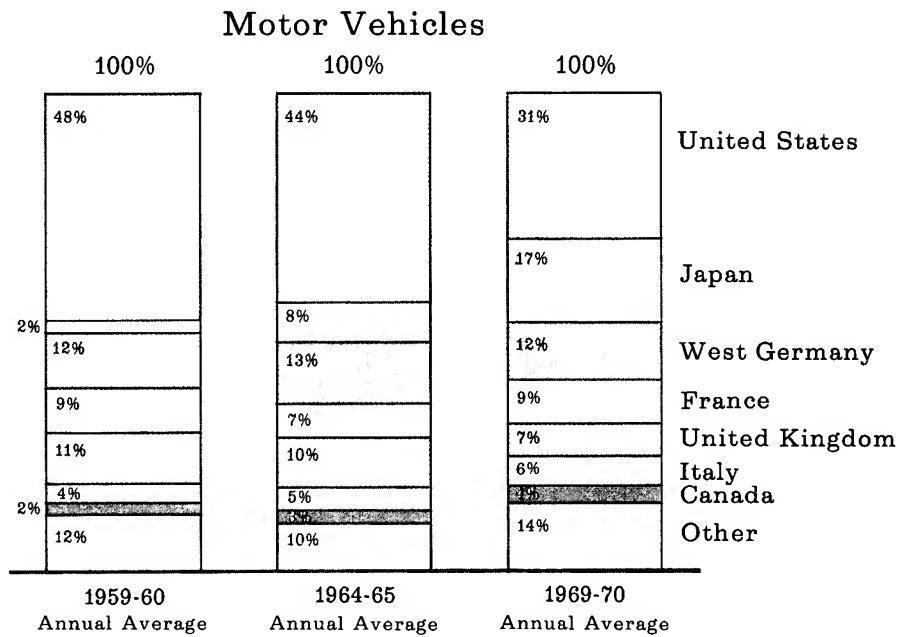
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Figure 10

# **World Production of Motor Vehicles and Crude Steel**

Percent of World Total



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Table 10

	Estimated Population					
	Million Persons at Midyear					
	1950	1955	1960	1965	1970	1972
NATO COUNTRIES.....	418	445	476	506	532	542
United States.....	152.3	165.9	180.7	194.2	204.8	209.0
Other NATO.....	266.0	279.4	295.2	312.1	326.7	332.9
Belgium.....	8.6	8.9	9.2	9.5	9.7	9.7
Canada.....	13.7	15.7	17.9	19.7	21.4	22.1
Denmark.....	4.3	4.4	4.6	4.8	4.9	5.0
France.....	41.7	43.4	45.7	48.8	50.8	51.7
West Germany <sup>a</sup> .....	47.8	50.2	53.2	56.4	58.6	59.5
West Berlin.....	2.1	2.2	2.2	2.2	2.1	2.1
Greece.....	7.6	8.0	8.3	8.5	8.7	8.8
Iceland.....	0.1	0.2	0.2	0.2	0.2	0.2
Italy.....	46.6	48.2	49.6	51.6	53.6	54.4
Luxembourg.....	0.3	0.3	0.3	0.3	0.3	0.3
Netherlands.....	10.1	10.8	11.5	12.3	13.0	13.3
Norway.....	3.3	3.4	3.6	3.7	3.9	3.9
Portugal.....	8.4	8.6	8.9	8.8	8.7	8.7
Turkey.....	20.8	23.9	27.5	31.2	35.4	37.2
United Kingdom.....	50.6	51.2	52.6	54.3	55.5	55.9
COMMUNIST COUNTRIES.....	863	950	1,054	1,142	1,248	1,294
USSR and Eastern Europe..	269	289	311	331	346	352
USSR.....	180.1	196.2	214.3	230.9	242.8	247.5
Eastern Europe.....	88.5	92.9	96.5	99.8	103.1	104.2
Bulgaria.....	7.3	7.5	7.9	8.2	8.5	8.6
Czechoslovakia.....	12.4	13.1	13.7	14.2	14.5	14.5
East Germany.....	18.4	17.8	17.1	17.0	17.1	17.0
Hungary.....	9.3	9.8	10.0	10.1	10.3	10.4
Poland.....	24.8	27.3	29.6	31.2	32.5	33.0
Romania.....	16.3	17.3	18.4	19.0	20.3	20.7
Far East.....	571	634	715	781	870	910
China.....	547	611	689	751	836	874
North Korea.....	9.2	8.9	10.6	12.2	14.2	15.0
North Vietnam.....	14.7	14.9	16.0	18.1	19.7	20.2
Other.....	23.8	26.0	28.0	30.3	32.3	33.1
Albania.....	1.2	1.4	1.6	1.9	2.1	2.3
Cuba.....	5.5	6.2	7.1	7.9	8.5	8.8
Mongolia.....	0.8	0.8	1.0	1.1	1.2	1.3
Yugoslavia.....	16.3	17.5	18.4	19.4	20.4	20.7

<sup>a</sup> Excluding data for West Berlin.



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Table 11

Labor Force <sup>a</sup>

Million Persons at Midyear

	1960	1965	1970	1971
United States <sup>b</sup> .....	72.1	77.2	85.9	86.9
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	159	168	176	179
USSR <sup>c</sup> .....	110.6	117.9	124.2	126.0
Eastern Europe.....	48.0	49.7	52.2	52.6
Bulgaria.....	4.19	4.26	4.32	4.33
Czechoslovakia.....	6.40	6.86	7.22	7.23
East Germany.....	8.53	8.37	8.40	8.39
Hungary.....	4.74	4.80	5.01	5.04
Poland.....	14.13	15.16	16.35	16.59
Romania.....	9.99	10.26	10.87	11.00
Far East				
China <sup>d</sup> .....	307	328	N.A.	N.A.
North Korea <sup>d</sup> .....	4.6	5.3	5.9	6.1
North Vietnam <sup>d</sup> .....	8.2	9.4	9.7	9.8
Other				
Albania.....	0.73	0.82	0.94	0.97
Yugoslavia.....	8.30	8.90	9.60	9.70

<sup>a</sup> Unless otherwise indicated, data include the armed forces and the unemployed.<sup>b</sup> Annual averages of monthly data.<sup>c</sup> Excluding militarized security forces. Adjusted annual average.<sup>d</sup> Excluding the armed forces.

Table 12

Nonagricultural Labor Force <sup>a</sup>

Million Persons at Midyear

	1960	1965	1970	1971
United States <sup>b</sup> .....	60.3	66.7	75.2	75.7
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	91.5	107	122	125
USSR <sup>c</sup> .....	64.0	75.6	86.7	89.1
Eastern Europe.....	27.5	31.3	34.9	35.7
Bulgaria.....	1.96	2.34	2.57	2.61
Czechoslovakia.....	4.72	5.39	5.84	5.87
East Germany.....	6.93	7.02	7.19	7.22
Hungary.....	2.99	3.49	3.75	3.83
Poland.....	7.47	8.74	10.22	10.53
Romania.....	3.43	4.31	5.37	5.62
Far East				
China <sup>d</sup> .....	53	47	N.A.	N.A.
North Korea <sup>d</sup> .....	2.1	2.6	3.0	3.2
North Vietnam <sup>d</sup> .....	1.8	2.4	2.9	3.0
Other				
Albania.....	0.22	0.27	0.40	0.43
Yugoslavia.....	3.50	4.18	4.89	5.00

<sup>a</sup> Unless otherwise indicated, data include the armed forces.<sup>b</sup> Civilian employment. The data are annual averages of monthly data that exclude the armed forces.<sup>c</sup> Excluding militarized security forces. Adjusted annual average.<sup>d</sup> Excluding the armed forces.

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Table 13  
Industrial Labor Force <sup>a</sup>

	Million Persons at Midyear			
	1960	1965	1970	1971
United States <sup>b</sup> .....	17.5	18.7	20.0	19.2
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	35.5	42.0	48.0	48.8
USSR <sup>c</sup> .....	22.6	27.4	31.6	32.0
Eastern Europe.....	12.9	14.6	16.4	16.8
Bulgaria.....	0.88	1.12	1.31	1.35
Czechoslovakia.....	2.38	2.57	2.74	2.74
East Germany.....	3.44	3.45	3.52	3.52
Hungary.....	1.37	1.61	1.88	1.90
Poland.....	3.19	3.86	4.55	4.68
Romania.....	1.60	1.95	2.44	2.60
Far East				
North Vietnam.....	0.5	0.9	1.0	1.0
Other				
Albania.....	0.09	0.11	0.18	0.19
Yugoslavia.....	1.48	1.86	2.08	2.17

<sup>a</sup> Including employment in manufacturing, mining, and electric power.

<sup>b</sup> Annual averages of monthly employment data.

<sup>c</sup> Annual average.

*Adjusted*

Table 14  
Agricultural Labor Force <sup>a</sup>

	Million Persons at Midyear			
	1960	1965	1970	1971
United States <sup>b</sup> .....	7.06	5.61	4.52	4.45
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	67.1	60.7	54.8	53.8
USSR <sup>c</sup> .....	46.6	42.3	37.5	36.9
Eastern Europe.....	20.5	18.4	17.3	16.9
Bulgaria.....	2.24	1.93	1.76	1.71
Czechoslovakia.....	1.68	1.47	1.39	1.36
East Germany.....	1.60	1.35	1.21	1.17
Hungary.....	1.75	1.31	1.26	1.21
Poland.....	6.66	6.41	6.13	6.06
Romania.....	6.57	5.95	5.51	5.39
Far East				
China.....	254	281	N.A.	N.A.
North Korea.....	2.5	2.7	2.8	2.9
North Vietnam.....	6.4	7.0	6.8	6.8
Other				
Albania.....	0.51	0.55	0.54	0.54
Yugoslavia.....	4.80	4.72	4.71	4.71

<sup>a</sup> Excluding the armed forces.

<sup>b</sup> Data are for civilian employment and are based on data published by the US Department of Agriculture.

<sup>c</sup> Excluding militarized security forces. *Adjusted annual average.*

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Table 15

## European Community: Selected Economic Data

	Unit of Measure	1960	1965	1970	1971
<b>Aggregative data</b>					
Gross national product <sup>a</sup> .....	Billion 1970 US \$.....	321	416	537	555
Total population (midyear).....	Million persons.....	170	179	186	188
<b>Fuels and power</b>					
Primary energy (coal equivalents <sup>b</sup> ).....	Million metric tons.....	351	359	379	390
Electric power (gross).....	Billion kilowatt-hours.....	281	406	575	620
Hard coal.....	Million metric tons.....	235	218	165	159
Brown coal and lignite.....	Million metric tons.....	99	106	112	109
Crude oil.....	Million metric tons.....	11.4	15.5	13.2	12.3
<b>Minerals and metals</b>					
Crude steel.....	Million metric tons.....	72.8	86.0	109	103
Pig iron.....	Million metric tons.....	54.2	63.1	80.4	75.1
Iron ore.....	Million metric tons.....	89.5	74.7	68.9	66.2
Refined copper.....	Thousand metric tons.....	577	676	791	751
Primary aluminum.....	Thousand metric tons.....	491	699	838	928
<b>Agriculture</b>					
Grain <sup>c</sup> .....	Million metric tons.....	52.6	59.3	65.9	74.6
Potatoes.....	Million metric tons.....	50.3	37.4	36.1	35.4
Meat.....	Million metric tons.....	7.49	8.67	9.69	10.2
Cattle (beginning of year).....	Million head.....	46.5	48.6	51.3	50.7
<b>Manufactured items</b>					
Sulfuric acid (100%).....	Million metric tons.....	9.80	12.2	14.8	14.9
Mineral fertilizer (nutrients).....	Million metric tons.....	9.38	12.0	13.6	N.A.
Cement.....	Million metric tons.....	61.7	86.4	111	113
Passenger automobiles.....	Thousand units.....	3,560	5,410	8,020	8,440
Radio receivers.....	Million units.....	8.56	8.80	14.8	N.A.
Television receivers.....	Million units.....	3.76	5.48	6.98	N.A.
<b>Transportation</b>					
Railroad freight traffic.....	Billion metric ton-kilometers.	135	148	171	161

<sup>a</sup> Converted at central exchange rates.<sup>b</sup> Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.<sup>c</sup> Data are for barley, corn, oats, rice, rye, and wheat where they are produced.

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Table 16  
Eastern Europe: Selected Economic Data

	Unit of Measure	1960	1965	1970	1971
<b>Aggregative data</b>					
Gross national product <sup>a</sup> .....	Billion 1970 US \$.....	113	136	171	180
Total population (midyear).....	Million persons.....	96.5	99.8	103	104
<b>Fuels and power</b>					
Primary energy (coal equivalents <sup>b</sup> )..	Million metric tons.....	275*	329	382	390*
Electric power (gross).....	Billion kilowatt-hours.....	114	170	246	262
Hard coal.....	Million metric tons.....	140	158	180	185
Brown coal and lignite.....	Million metric tons.....	335	403	441	440
Crude oil.....	Million metric tons.....	13.2	15.2	16.4*	16.8*
<b>Minerals and metals</b>					
Crude steel.....	Million metric tons.....	21.2	28.7	40.1	42.3
Pig iron.....	Million metric tons.....	13.4	17.9	23.8	24.7
Iron ore.....	Million metric tons.....	9.34	12.0	10.8	11.0
Refined copper.....	Thousand metric tons.....	101	141	197	201
Primary aluminum.....	Thousand metric tons.....	163	206	354	377
<b>Agriculture</b>					
Grain <sup>c</sup> .....	Million metric tons.....	48.3	53.1	54.7	67.5
Potatoes.....	Million metric tons.....	63.9	63.2	72.0	59.0
Meat.....	Million metric tons.....	3.38*	4.04*	4.49*	4.67*
Cattle (beginning of year).....	Million head.....	25.2	26.6	28.1	29.0
<b>Manufactured items</b>					
Sulfuric acid (100%).....	Million metric tons.....	2.50	4.23	6.08	6.55
Mineral fertilizer (nutrients).....	Million metric tons.....	3.23	4.63	7.64	8.04
Cement.....	Million metric tons.....	22.9	31.8	42.1	44.6
Passenger automobiles.....	Thousand units.....	134	211	369	4.06
Radio receivers.....	Million units.....	2.24	2.41	3.02	3.01
Television receivers.....	Million units.....	0.99	1.70	2.19	N.A.
<b>Transportation</b>					
Railroad freight traffic.....	Billion metric ton-kilometers.	182	230	274	289

\* An asterisk indicates that the data are classified.

<sup>a</sup> Converted at US purchasing power equivalents.

<sup>b</sup> Energy expressed in coal equivalents has a calorific value of 7,000 kilocalories per kilogram.

<sup>c</sup> Data are for barley, corn, oats, rye, and wheat where they are produced.

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Table 17

## India: Selected Economic Data

	Unit of Measure	1960	1965	1970	1971
<b>Aggregative data</b>					
Gross national product <sup>a b</sup>	Billion 1970 US \$	35.0	40.0	50.2	52.3
Index of industrial production	1960 = 100	100	154	181	185
Index of agricultural production <sup>c</sup>	1960 = 100	100	102	130	137
<b>Fuels and power</b>					
Electric power (gross) <sup>b</sup>	Billion kilowatt-hours	20.1	36.8	61.8	58.1
Hard coal	Million metric tons	52.6	67.2	73.1	68.5
<b>Minerals and metals</b>					
Crude steel <sup>d</sup>	Million metric tons	3.29	6.41	6.23	5.98
Pig iron	Million metric tons	4.28	7.12	7.22	6.86
Iron ore	Million metric tons	16.6	23.7	31.4	32.5
Manganese ore	Million metric tons	1.20	1.65	1.65	1.54
Primary aluminum	Thousand metric tons	18	62	161	175
<b>Agriculture</b>					
Wheat	Million metric tons	10.3	12.3	20.1	23.2
Rice (rough, or paddy)	Million metric tons	51.3 <sup>e</sup>	46.0 <sup>e</sup>	63.7	66.1
Sugar (raw value)	Million metric tons	2.81	3.49	4.63	4.08
Ginned cotton	Million metric tons	1.01	1.00	0.96	1.09
<b>Manufactured items</b>					
Cotton fabrics <sup>f</sup>	Billion linear meters	6.63	7.64	7.69	7.16
Woolen fabrics <sup>g</sup>	Million linear meters	8	10	13	15
Cement	Million metric tons	7.8	10.6	14.0	14.9
Passenger automobiles (civilian)	Thousand units	24.6	35.3	40.6	49.0
<b>Trade</b>					
Imports (c.i.f.)	Billion US \$	2.33	2.84	2.12	2.52
Exports (f.o.b.)	Billion US \$	1.33	1.69	2.03	2.11

<sup>a</sup> Data are at factor cost and are converted at the central exchange rate of 7.27927 rupees to US \$1.<sup>b</sup> Data are for the year beginning 1 April of the stated year.<sup>c</sup> Based on three-year moving averages.<sup>d</sup> Beginning in 1965, ingots only.<sup>e</sup> Estimated from planted acreage.<sup>f</sup> Mill and decentralized sector production.<sup>g</sup> Wearable fabrics produced in the mill sector only.

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Table 18  
Mongolia: Selected Economic Data

	Unit of Measure	1960	1965	1970	1971
<b>Aggregative data</b>					
Gross industrial production.....	1960 = 100.....	100	164	261	282
Total population (midyear).....	Million persons.....	1.0	1.1	1.2	1.3
<b>Fuels and power</b>					
Electric power (gross).....	Million kilowatt-hours.....	106	242	493	544
Coal.....	Million metric tons.....	0.62	0.99	2.00	2.09
<b>Agriculture</b>					
Grain <sup>a</sup> .....	Thousand metric tons.....	256	354	327	414
Fresh butter <sup>b</sup> .....	Thousand metric tons.....	4.8	4.1	2.9	2.9
Livestock.....	Million head.....	23.0	23.8	22.6	22.7
<b>Manufactured items</b>					
Bricks.....	Million units.....	78	44	62	58
Leather footwear.....	Million pairs.....	0.9	1.4	1.6	1.4
Cement.....	Thousand metric tons.....	0	0	96	N.A.
Lumber.....	Thousand cubic meters.....	152	187	383	315
Processed meat.....	Thousand metric tons.....	13	20	35	41
<b>Transportation and trade</b>					
Imports (f.o.b.).....	Million US \$.....	121	150	232	N.A.
Exports (f.o.b.).....	Million US \$.....	73	98	87	N.A.

<sup>a</sup> Data are for barley, oats, wheat, and miscellaneous grain.

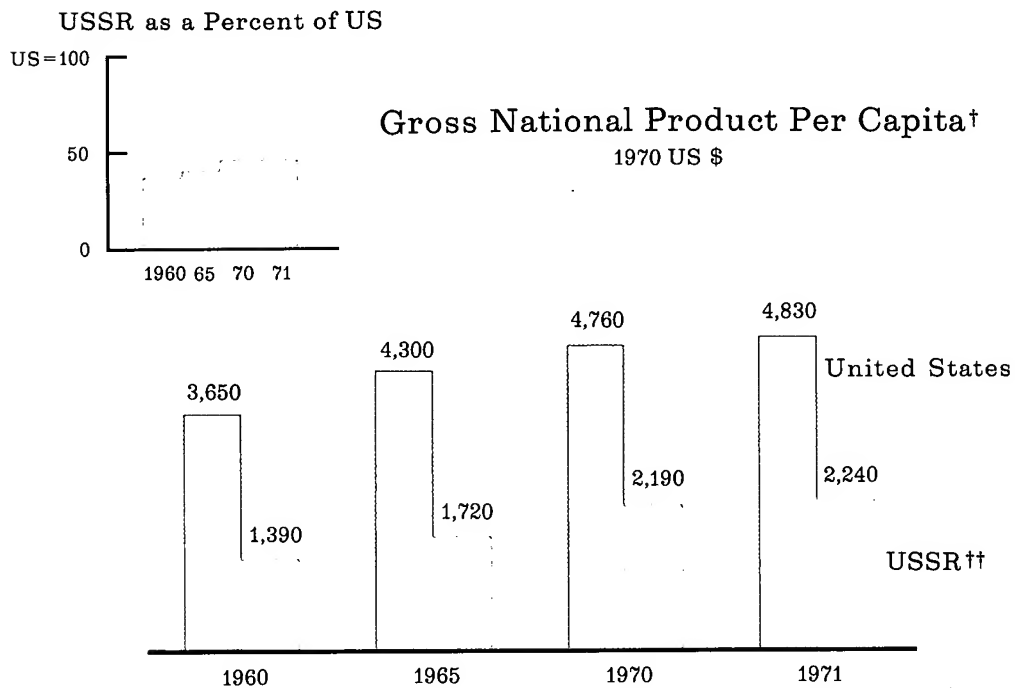
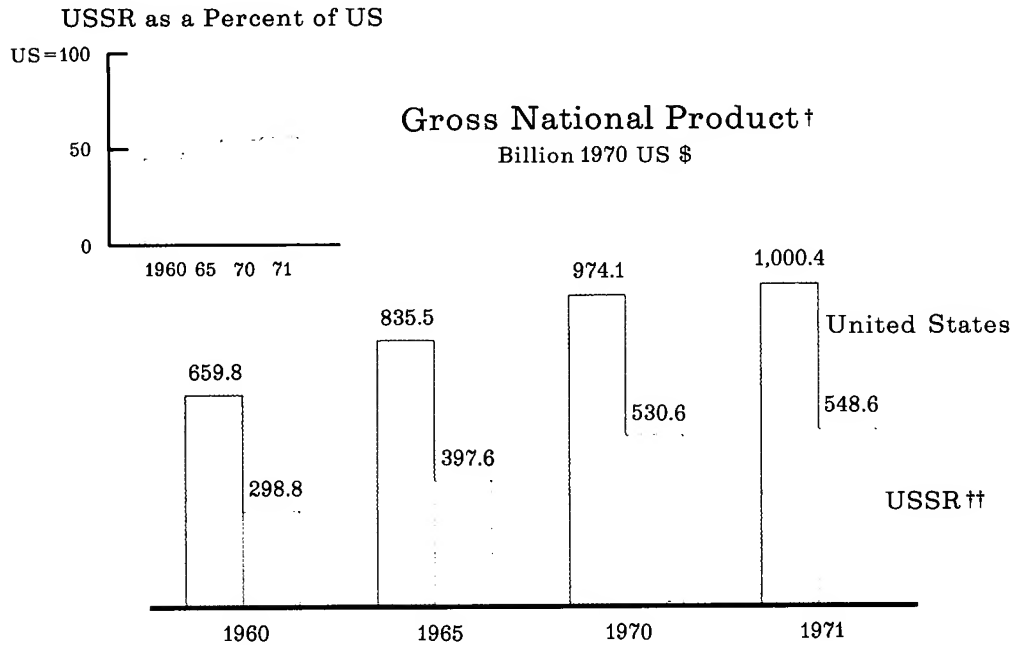
<sup>b</sup> Excluding butter prepared by the self-employed for their own use.

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Figure 11

## Gross National Product in the United States and the USSR



†At market prices.

††Converted at US purchasing power equivalents.

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Table 19  
Gross National Product, by End Use, in the US and the USSR  
1970

	Billion 1970 US \$ <sup>a</sup>		USSR as a Percent of US
	US	USSR	
Consumption .....	675.3	272.9*	40*
New fixed investment.....	164.0	165.0*	101*
Defense.....	74.4	59.9*	81*
Other.....	60.4	69.3*	115*
GNP.....	974.1	530.6* <sup>b</sup>	54*

\* An asterisk indicates that the data are classified.

<sup>a</sup> US market prices. Total Soviet gross national product (GNP) and the various end uses were converted to dollars not by the official rate of exchange but by the average purchasing power ratio of the dollar and the ruble calculated from actual or estimated prices paid for various goods and services in the two economies. For GNP as a whole and for each end use component of GNP, these average ratios (ruble-dollar ratios) were estimated by weighting individual price ratios by both US and Soviet expenditure weights. The geometric mean of the US weighted and Soviet weighted ratios was then used for the conversion of Soviet values into dollars.

The magnitudes for the Soviet end use components were calculated to measure quantity of output compared with the United States but not the cost in resources. The share of total economic resources devoted to a particular end use or the share of total output originating in an individual sector (for example, agriculture or industry) in the USSR should be measured in internal ruble prices and costs. Agriculture alone, for example, used 30% of the labor force, or 38 million people, as a result of the inefficiency of that sector in the USSR.

The adjusted end uses of GNP are defined as follows:

(1) Consumption comprises personal expenditures for goods and services for all purposes and noninvestment outlays by government for goods and services for health and education. (The personal consumption expenditures for the United States are \$615.8 billion.)

(2) Investment is defined (a) for both the United States and the USSR as the sum of expenditures for gross private domestic investment net of inventories; for public construction other than that for defense facilities; for equipment purchased by the government except that for defense; and for defense stockpiling and defense-production expansion; and (b) for the United States, as also including expenditures by state and local government for development of atomic energy. (The gross private domestic investment for the United States is \$135.3 billion.)

(3) Defense as a component of GNP comprises government purchases of goods and services for the military services, federal government expenditures on atomic energy development, and outlays on space research and technology. Defense excludes stockpiling activities and net military grants for foreign military assistance. (The federal government purchases of goods and services for national defense, excluding purchases by NASA, for the United States are \$75.4 billion.)

(4) Other for the USSR includes expenditures on civil space programs, inventory change, administration, net exports, and a statistical discrepancy. Administration includes expenditures on civilian internal security, general agricultural programs, public organizations, government administration, and social welfare. Other for the United States includes administration, net exports and military assistance, change in inventories and stockpiles, and a statistical discrepancy. Administration is the residual left after all current expenditures for national defense, health, education, and all capital expenditures are subtracted from government purchases of goods and services. (There is no equivalent category for the unadjusted data for the United States.)

<sup>b</sup> The sum of the end use components of Soviet GNP, valued in dollars, does not equal the dollar value of aggregate GNP, because of the use of average ruble-dollar ratios in converting from ruble values to dollar values. Nevertheless, the individual end use components were not adjusted to agree with the total, since the US-USSR comparisons shown are believed to give the best available description of relative size.



ALL DATA IN THIS TABLE ARE SECRET/NO FOREIGN DISSEM

Table 20

Distribution of Defense Expenditures,<sup>a</sup> by Major Mission, in the US and the USSR  
1971

	US <sup>b</sup> (Fiscal Year)	USSR <sup>c</sup> (Calendar Year)	
	Billion 1970 US \$	Billion 1968 US \$	Billion 1968 Rubles
Strategic attack.....	4.2	6.8	2.2
Strategic defense.....	2.3	7.4	2.4
General purpose.....	25.4	22.8	6.6
RDT&E.....	8.5	11.9	5.3
Other.....	30.9	21.7	5.5
Total.....	71.3	70.6	22.1

<sup>a</sup> To achieve as high a degree of comparability as possible, adjustments have been made to the basic data available for both the United States and the USSR. For example, the ruble data, by mission, shown here differ somewhat from the comparable data shown in Table 22. All expenditures for research, development, test, and evaluation (RDT&E) activities associated with military and nuclear energy programs have been aggregated and are included under RDT&E. All expenditures for nuclear warheads have been aggregated and are included under "Other." All expenditures for military assistance and civil defense programs have been excluded.

<sup>b</sup> Planned total obligational authority. It should be noted that the pattern of expenditures shown for the United States is not representative of the pre-Vietnam period.

<sup>c</sup> These data for the USSR are reviewed and updated several times each year. Therefore, if they are to be used for more than general background purposes, the Office of Strategic Research should be consulted to insure that they represent the latest available information. The dollar valuations of Soviet expenditures are measures of Soviet programs computed on the basis of US factor costs and do not measure program costs as seen by Soviet planners.

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Table 21

## Factors of Consumption

	1960	1965	1970	1971
Food				
Grain production <sup>a</sup> (kilograms per capita)				
United States <sup>b</sup> .....	1,004	942	908	1,140
USSR <sup>c</sup> .....	434	433	618	604
Meat production <sup>d</sup> (kilograms per capita)				
United States <sup>e</sup> .....	71	74	80	83
USSR .....	26	29	34	36
Persons supplied per farm worker				
United States .....	26	35	45	47
USSR .....	5	5	6	7
Housing				
Housing construction (square meters per capita)				
United States .....	0.8	0.8	0.7	1.0
USSR .....	0.5	0.4	0.4	0.4
Transportation				
Passenger automobile production (units per hundred persons)				
United States <sup>f</sup> .....	3.7	4.8	3.2	4.1
USSR .....	0.1	0.1	0.1	0.2
Passenger automobiles in use (units per hundred persons)				
United States <sup>g</sup> .....	34.1	38.7	43.9	45.0
USSR <sup>h</sup> <sup>i</sup> .....	0.4	0.5	0.7	0.8
Communications				
Television receivers in use <sup>j</sup> (units per hundred persons)				
United States .....	32	37	45	48
USSR .....	2	7	14	16
Radio receivers in use <sup>j</sup> (units per hundred persons)				
United States .....	93	125	164	171
USSR .....	13	17	20	20
Household equipment				
Washing machine production (units per thousand persons)				
United States <sup>f</sup> .....	18	22	20	22
USSR .....	4	15	22	17
Washing machines in use <sup>j</sup> (units per thousand persons)				
United States <sup>k</sup> .....	232	252	281	285
USSR .....	13 <sup>l</sup>	59 <sup>l</sup>	123	139
Refrigerator production (units per thousand persons)				
United States <sup>f</sup> .....	19	25	26	27
USSR .....	2	7	17	19
Refrigerators in use <sup>j</sup> (units per thousand persons)				
United States <sup>k</sup> .....	274	288	306	309
USSR .....	10 <sup>l</sup>	29 <sup>l</sup>	72	87

<sup>a</sup> The data do not necessarily represent food available for consumption, because imports of foreign grain and exports of domestically produced grain are not included.

<sup>b</sup> Excluding corn silage and forage but including sorghum for grain.

<sup>c</sup> Including miscellaneous grains and pulses.

<sup>d</sup> Data are on a carcass weight, bone-in basis.

<sup>e</sup> Excluding slaughter fats, poultry, rabbit, and variety meats.

<sup>f</sup> Data are for factory sales and include complete units exported for assembly.

<sup>g</sup> As of the end of the registration year.

<sup>h</sup> Based on data for production, imports, exports, and estimated retirements.

<sup>i</sup> As of the end of the year.

<sup>j</sup> Unless otherwise indicated, data are as of the beginning of the year.

<sup>k</sup> Data are understated because they are based on the number of households with one or more units; thus, a household with more than one is counted as having only one.

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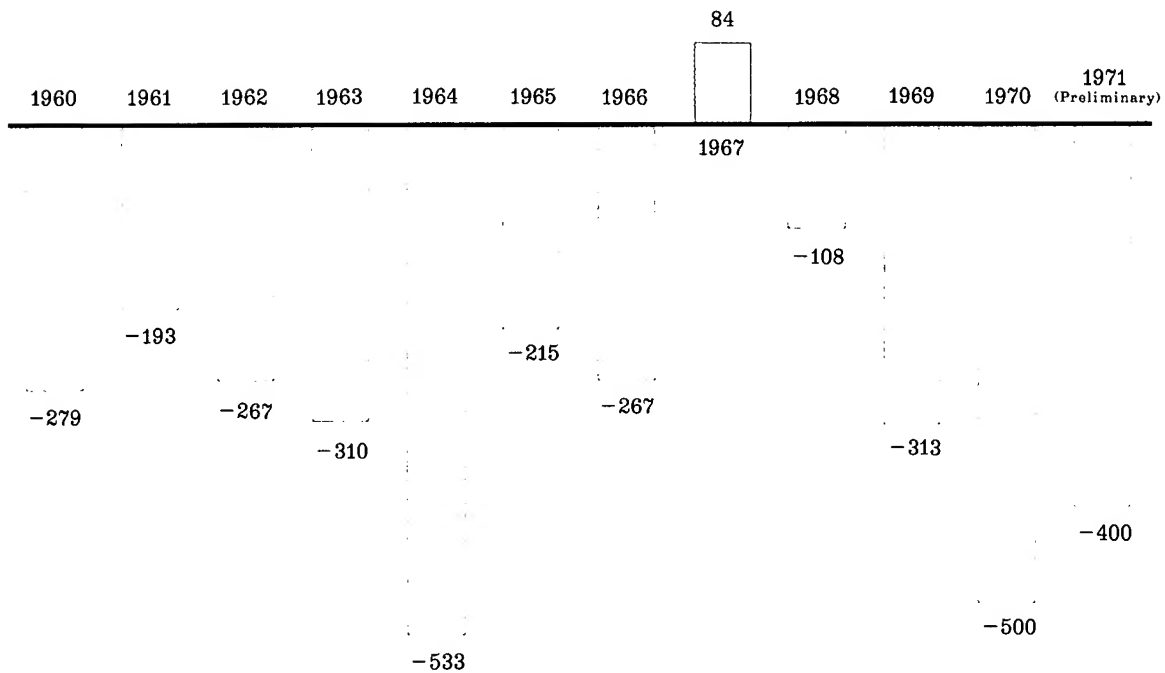
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Figure 12

## Soviet Hard Currency Trade Balance

Million US \$



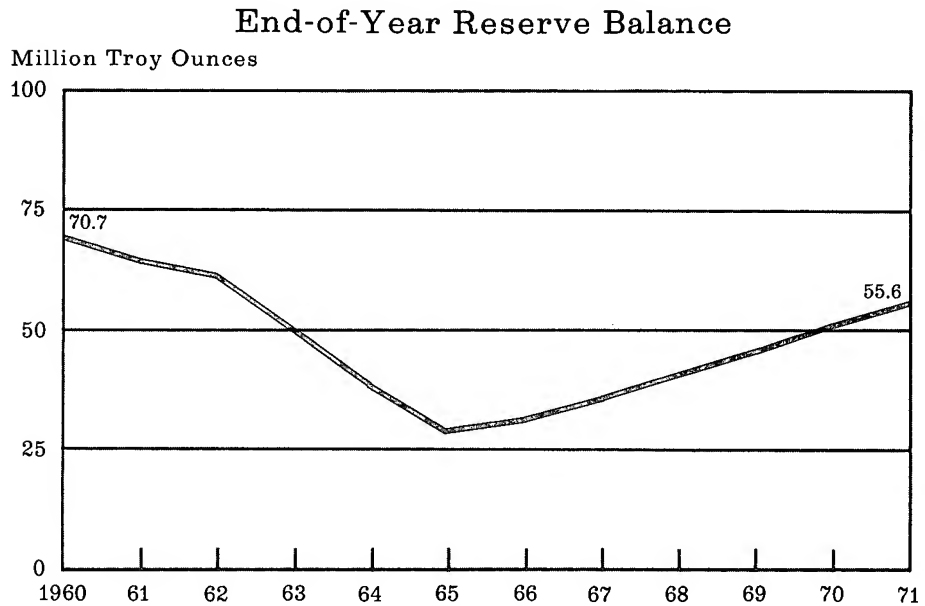
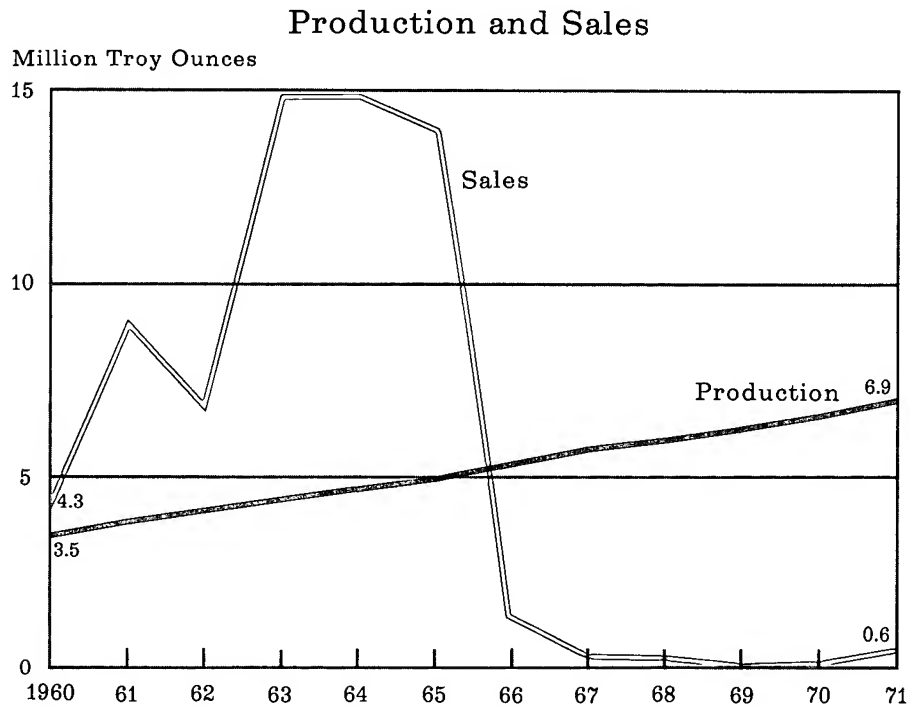
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Figure 13

# **Production, Sales, and Reserves of Gold in the USSR**



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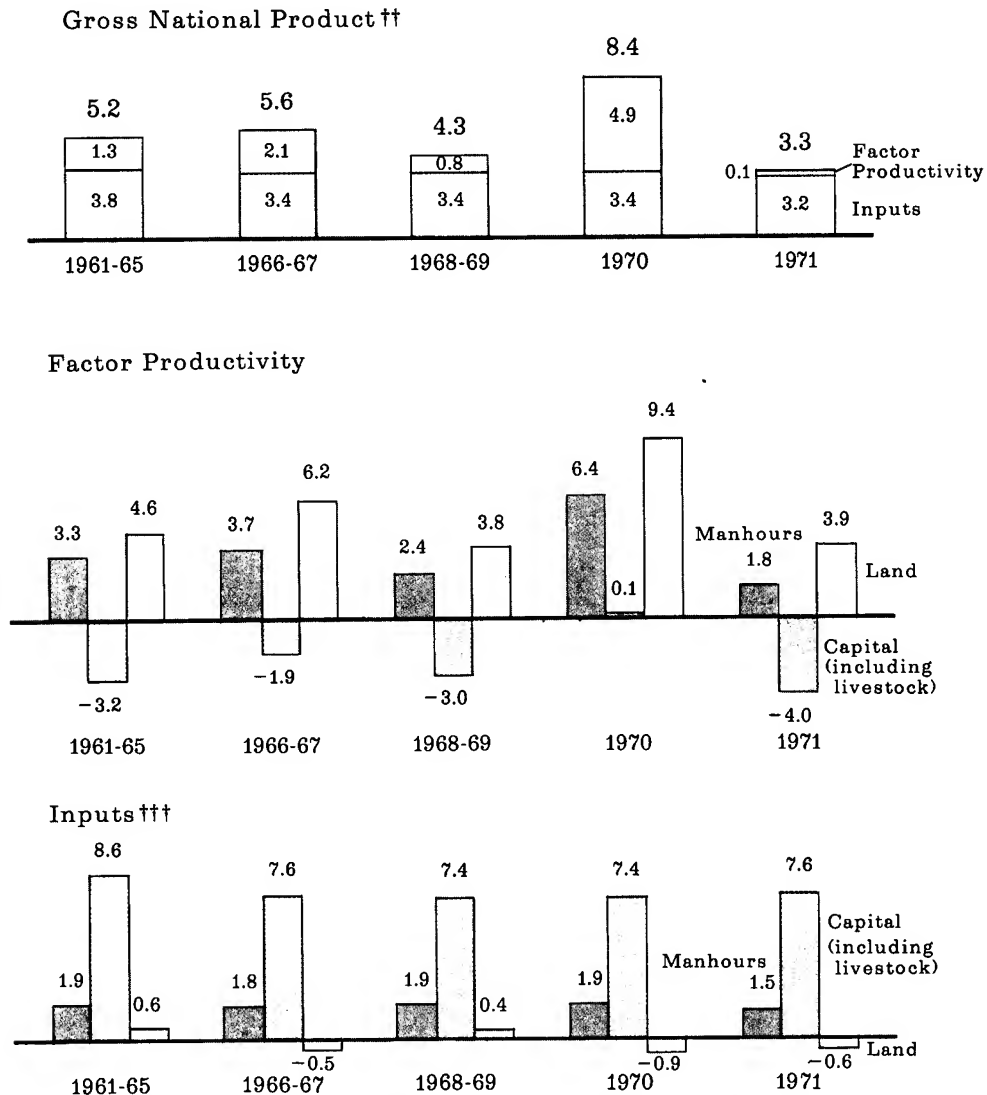
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Figure 14

## Aggregate Factor Productivity in the USSR

Average Annual Rate of Growth<sup>†</sup>  
Percent



<sup>†</sup>The base year is the year prior to the stated period.

<sup>††</sup>Based on indexes of GNP (1968 rubles), by sector of origin, at factor cost.

<sup>†††</sup>Inputs of manhours, capital, and land are combined using weights of 66.59%, 29.91%, and 3.50%, respectively, in a Cobb-Douglas (linear homogeneous) production function. These weights represent the distribution of labor costs, charges on gross fixed capital (including livestock), and land rent in 1968, the base year for all indexes underlying the growth rate calculations.

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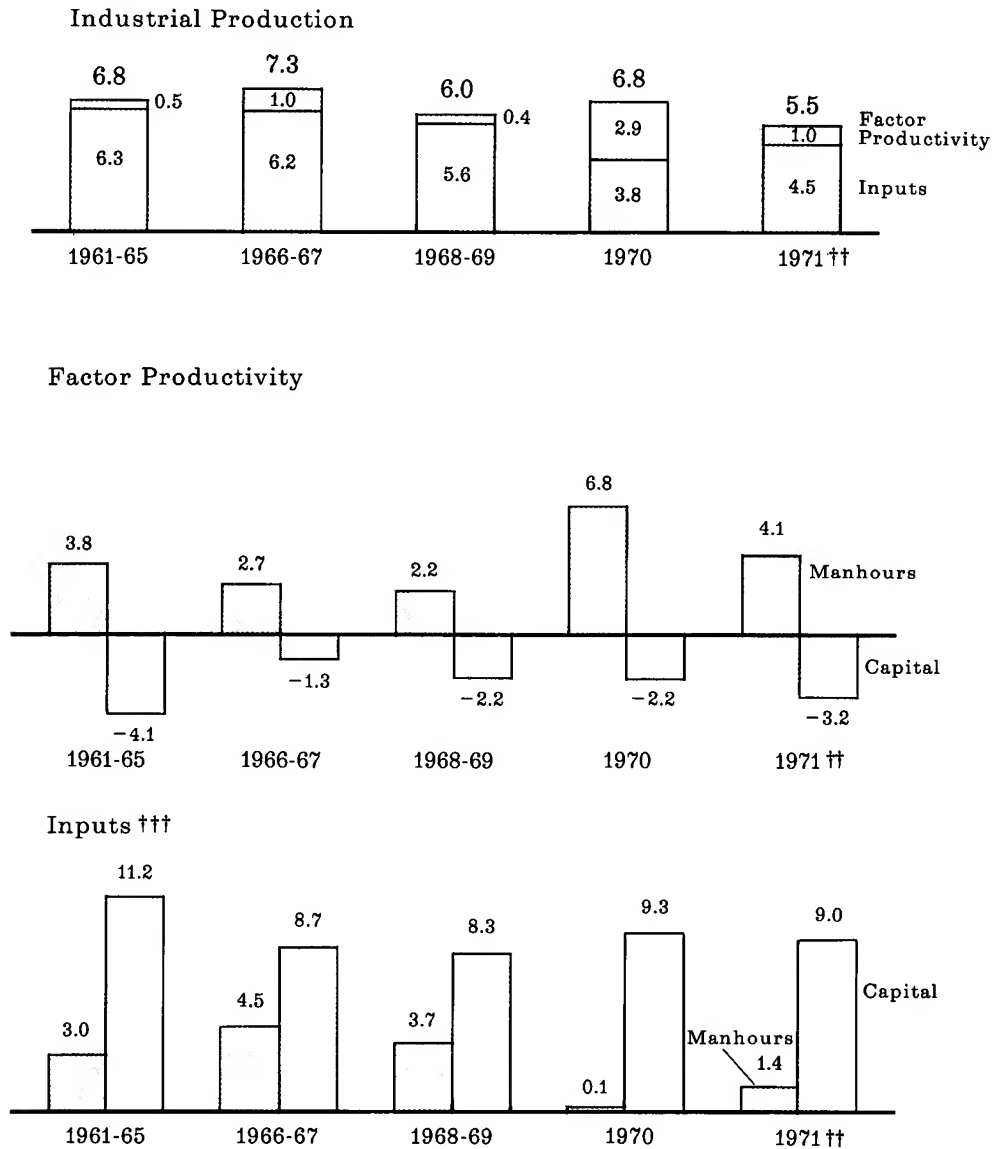
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Figure 15

**Industrial Factor Productivity in the USSR**

Average Annual Rate of Growth<sup>†</sup>  
Percent



<sup>†</sup> The base year is the year prior to the stated period.

<sup>††</sup> Preliminary

<sup>†††</sup> Inputs of manhours and capital are combined using weights of 58.4% and 41.6%, respectively, in a Cobb-Douglas (linear homogeneous) production function. These weights represent the distribution of labor costs (wages and social insurance deductions) and capital costs (charges on fixed and working capital and depreciation) in 1968, the base year for all indexes underlying the growth rate calculations.

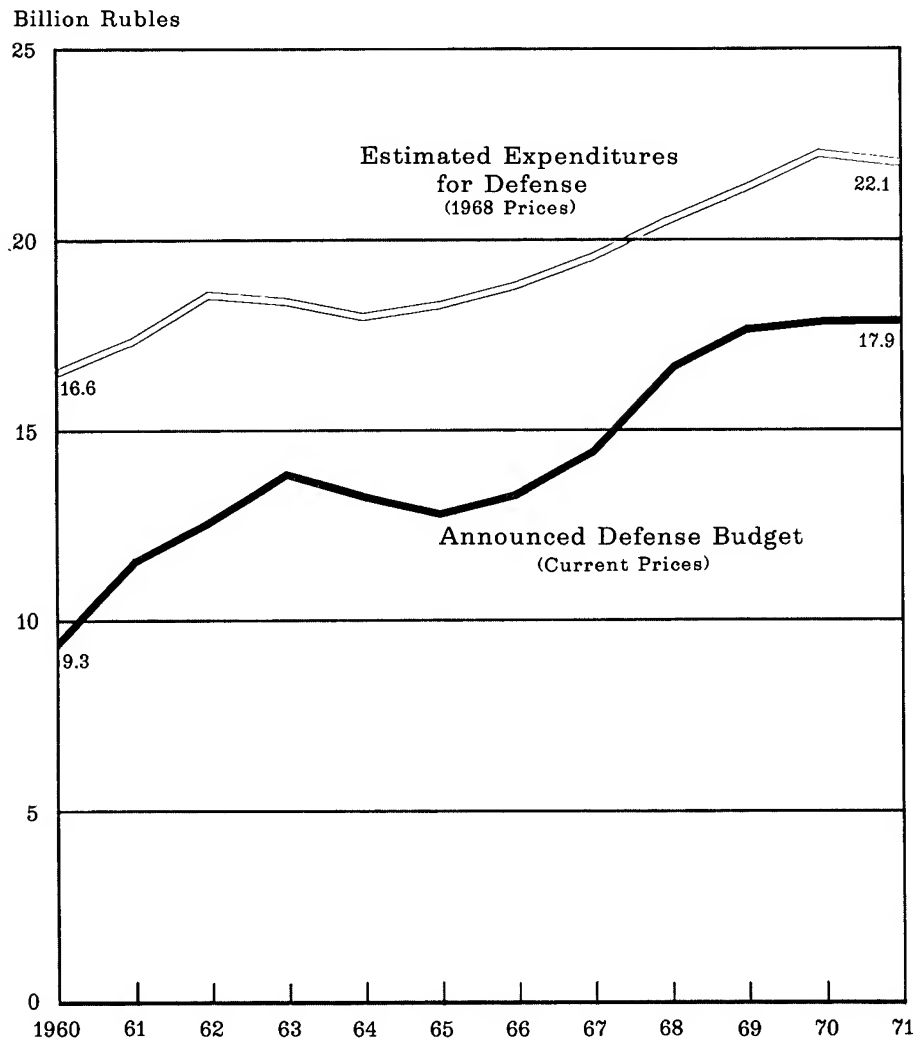
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Figure 16

### Estimated Soviet Expenditures for Defense



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Table 22

Estimated Soviet Expenditures for Defense,<sup>a</sup> by Mission

Billion 1968 Rubles

	1960	1965	1970	1971
Mission				
Strategic attack .....	3.1	3.0	3.5	2.6
Strategic defense .....	1.8	1.7	2.4	2.5
Ground <sup>b</sup> .....	3.3	3.8	4.1	4.1
Naval <sup>c</sup> .....	1.7	2.1	2.0	2.1
Military transport aviation .....	0.7	0.7	0.7	0.7
RDT&E <sup>d</sup> .....	2.3	2.9	4.8	5.3
Command and general support <sup>e</sup> .....	3.6	4.1	4.8	4.9
Total military expenditures .....	16.6	18.3	22.3	22.1
Of which:				
Military machinery .....	8.9	10.3	13.1	12.9

<sup>a</sup> These data are reviewed and updated several times each year. Therefore, if they are to be used for more than general background purposes, the Office of Strategic Research should be consulted to insure that they represent the latest available information. The estimates conceptually include all outlays for personnel and other operating costs, procurement of all hardware used by the military establishment (including nuclear warheads), construction of facilities, and military and nuclear research and development activities, but exclude military assistance programs. Many of the funds required to cover these expenditures come from sources other than the budget category labeled "Defense" by the USSR. Most of the figures in the table are derived from detailed calculations of the estimated size and cost to deploy and operate individual program elements of the Soviet military establishment. These estimates are subject to considerable uncertainty and should not be considered as precise measures. Nevertheless, the estimates are as accurate and as comprehensive as the data available during 1971 permitted.

<sup>b</sup> Including expenditures for tactical aviation.

<sup>c</sup> Including expenditures for naval aviation.

<sup>d</sup> Expenditures for research, development, test, and evaluation for all military and nuclear energy programs. Civil space programs are not included. These data include personnel costs for military personnel associated with RDT&E programs. The estimates in this table are derived from analysis of published Soviet financial data and do not represent detailed calculations of the estimated magnitude and cost of individual programs.

<sup>e</sup> Expenditures for reserve training, militarized security forces, retirement pay, military space operations, and paramilitary training, in addition to command and support for the active military establishment.

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Table 23

Estimated Soviet Expenditures for Defense, by Category of Expenditures <sup>a</sup>  
 Billion 1968 Rubles

	1960	1965	1970	1971
Investment .....	6.2	6.0	6.5	5.6
Procurement .....	5.6	5.7	6.1	5.2
Land armaments and ammunition .....	0.4	0.4	0.4	0.4
Naval ships and boats .....	0.6	0.7	0.8	0.8
Aircraft .....	1.0	0.9	0.9	1.0
Missile systems .....	1.9	1.3	2.1	1.4
Electronic equipment .....	0.3	0.3	0.3	0.4
Nuclear weapons .....	0.8	1.4	0.6	0.3
Military space systems .....	0	0.1	0.3	0.3
Other .....	0.6	0.6	0.7	0.7
Facilities .....	0.6	0.4	0.5	0.3
Operating expenditures .....	8.1	9.5	11.1	11.4
Personnel .....	5.1	5.6	6.3	6.4
Operation and maintenance .....	3.0	3.9	4.8	5.0
RDT&E <sup>b</sup> .....	2.2	2.8	4.6	5.2
Total .....	16.6	18.3	22.3	22.1

<sup>a</sup> These data are reviewed and updated several times each year. Therefore, if they are to be used for more than general background purposes, the Office of Strategic Research should be consulted to insure that they represent the latest available information. The estimates conceptually include all outlays for personnel and other operating costs, procurement of all hardware used by the military establishment (including nuclear warheads), construction of facilities, and military and nuclear research and development activities, but exclude military assistance programs. Many of the funds required to cover these expenditures come from sources other than the budget category labeled "Defense" by the USSR. Most of the figures in the table are derived from detailed calculations of the estimated size and cost to deploy and operate individual program elements of the Soviet military establishment. These estimates are subject to considerable uncertainty and should not be considered as precise measures. Nevertheless, the estimates are as accurate and as comprehensive as the data available during 1971 permitted.

<sup>b</sup> Excluding military personnel related costs and therefore differing slightly from the RDT&E data shown in the preceding table.

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Table 24

Soviet Gross Fixed Capital Investment, by Function and by Sector <sup>a</sup>

Million Rubles

	1960	1965	1970	1971 <sup>b</sup>
Total investment.....	42,017	56,963	82,053	87,700 <sup>c</sup>
By function <sup>d</sup>				
Construction.....	29,400	35,800	50,300	54,300
Equipment.....	10,400	17,500	25,300	26,400
Other capital outlays.....	2,200	3,700	6,400	7,000
By sector				
Industry <sup>e</sup> .....	15,211 <sup>f</sup>	21,117	29,567	32,100
Ferrous metallurgy.....	1,430	1,835	2,082	N.A.
Chemicals and petrochemicals.....	1,056	2,171	2,415	N.A.
Fuels and power and metalworking.....	4,395	6,636	8,423	9,200
Machine building.....	2,088	3,189	6,117	6,800
Construction materials.....	1,215	1,034	1,712	N.A.
Consumer goods.....	2,280 <sup>f</sup>	2,792	4,489	4,900
Other <sup>g</sup> .....	2,747	3,460	4,329	N.A.
Construction industry.....	1,181 <sup>f</sup>	1,493	3,008	3,200
Transport and communications.....	3,925 <sup>f</sup>	5,532	7,808	8,400
Agriculture.....	5,476	9,535	14,152	15,700
Housing.....	9,456	9,638	13,439	13,800
Services.....	6,768 <sup>f</sup>	9,648	14,079	14,500

<sup>a</sup> Beginning with the official handbooks for 1970, Soviet investment statistics are reported only in constant prices of 1 January 1969 instead of the previous constant prices of 1 July 1955. Consequently the ruble values shown in this table are different from those published in previous editions of the *Handbook*. Unless otherwise indicated, data are from the Soviet statistical handbook *Narodnoye khozyaystvo SSSR v 1970 g.*

<sup>b</sup> Estimated, unless otherwise indicated.

<sup>c</sup> Preliminary figure given in the 1971 plan fulfillment report (*Pravda*, 23 January 1972, p. 2).

<sup>d</sup> Rounded to the nearest hundred million rubles. Values for 1960 were computed from percentage share distributions as reported in the Soviet statistical handbook, *Statisticheskii yezhegodnik stranchlenov Soveta Ekonomicheskoy Vzaïmopomoshchi*, 1971, p. 171.

<sup>e</sup> Excluding the construction industry.

<sup>f</sup> Estimated using coefficients of other years calculated as the ratios between investment in prices of 1 July 1955 and prices of 1 January 1969.

<sup>g</sup> Computed as a residual; it includes investment in nonferrous metallurgy, timber, paper, wood-working, and miscellaneous other branches of industry.

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Table 25

## Soviet State Budget

Billion New Rubles

Category	1960	1965	1970	1971		1972
	Actual	Actual	Actual	Plan	Actual	Plan
<b>Revenues</b>						
Social Sector.....	70.14	93.89	142.9	146.11	151.6	157.82
Turnover Tax.....	31.34	38.66	49.4	54.2	54.6	57.5
Profit Deductions.....	18.64	30.87	54.2	54.8	56.6	60.7
Taxes on Enterprises and Organizations.....	1.85	1.55	1.2	37.1	N.A.	39.6
Social Insurance Receipts.....	3.74	5.56	8.3		8.9	
Residual.....	14.58	17.25	29.8		N.A.	
Private Sector.....	6.94 <sup>a</sup>	8.43	13.8	14.86	N.A.	15.99
State Taxes on the Population.....	5.60	7.70	12.7	13.8	13.7	15.0
State Loans.....	0.91 <sup>a</sup>	0.18	0.5	1.1	N.A.	1.0
Local Taxes and Lottery Revenue.....	0.43	0.55	0.6			
Total.....	77.08 <sup>a</sup>	102.32	156.7	160.97	166.3	173.81
<b>Expenditures</b>						
Financing the National Economy.....	34.13	44.92	74.6	77.03	81.5	82.63
Industry and Construction.....	15.59	20.99	N.A.	29.6	N.A.	32.2
Agriculture and Procurement.....	4.75	6.77	N.A.	10.9	N.A.	12.1
Transport and Communications.....	2.81	2.83	N.A.	3.0	N.A.	3.2
Trade.....	3.59	2.27	N.A.	6.0	N.A.	N.A.
Municipal Economy and Housing.....	3.22	4.23	N.A.	27.5	N.A.	5.6
Other.....	4.17	7.83				N.A.
Social-Cultural Measures.....	24.94	38.16	55.94	58.52	59.5	62.94
Education, Science, and Culture.....	10.31	17.51	24.77	25.9	N.A.	27.4
Health and Physical Culture.....	4.84	6.67	9.28	9.3	N.A.	9.7
Social Welfare.....	9.79	13.99	21.89	23.3	N.A.	25.8
Administration.....	1.09	1.28	1.7	1.72	1.7	1.77
Defense.....	9.30	12.78	17.9	17.85	17.9	17.90
Loan Service.....	0.7	0.1	0.1	0.2 <sup>b</sup>	N.A.	0.2 <sup>b</sup>
Reserve Funds of the Council of Ministers.....	0	0	4.4	5.45	N.A.	8.17
Residual.....	2.97	4.38				
Total.....	73.13	101.62	154.6	160.77	165.1	173.61
Budget Surplus.....	3.95 <sup>a</sup>	0.70	2.1	0.20	1.2	0.20

<sup>a</sup> Including revenue from the savings deposits of the population.<sup>b</sup> Estimated.UNCLASSIFIED  
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## ALL DATA IN THESE TABLES ARE SECRET

Table 26

Percentage Distribution of Soviet Gross National Product, by End Use  
(Adjusted Factor Cost <sup>a</sup>)

	Percent of Total			
	1960	1965	1970	1971 <sup>b</sup>
Consumption .....	63	59	58	59
Investment .....	27	29	32	33
New fixed .....	22	23	25	26
Other <sup>c</sup> .....	5	7	7	7
Defense .....	8	7	6	6
Civil space programs .....	<i>Negl.</i>	1	1	1
Administration .....	2	2	2	2
Inventory change, net exports, and statistical discrepancy .....	<i>Negl.</i>	2	2	<i>Negl.</i>
Total .....	100	100	100	100

<sup>a</sup> Because of the well-known difficulties in using Soviet established prices as a measure of resource burden, the shares of gross national product (GNP) in this table are based on GNP at factor cost. In calculating GNP at factor cost, 1968 end use weights have been revised from an established price basis to a factor cost basis by subtracting turnover taxes and profits and adding amortization charges, implicit interest costs, agricultural land rent, and subsidies. These revised weights are then moved over time by indexes of the value of the various end uses in constant market prices.

<sup>b</sup> Preliminary.

<sup>c</sup> Civilian research and development and expenditures on capital repair.

Table 27

Estimated Drawings and Scheduled Repayments on Western Credits to the USSR <sup>a</sup>

Million US \$

Year	Estimated Drawings	Scheduled Repayments	Interest	Net Credits	Outstanding at End of Year
1960 .....	125	37	2	86	136
1961 .....	165	70	6	89	231
1962 .....	180	106	10	64	305
1963 .....	140	130	14	-4	315
1964 .....	170	147	15	8	338
1965 .....	190	149	17	24	379
1966 .....	275	149	20	106	505
1967 .....	305	152	29	124	658
1968 .....	510	215	38	257	953
1969 .....	630	270	57	303	1,313
1970 .....	755	326	79	350	1,742
1971 .....	835	410	99	326	2,167

<sup>a</sup> Estimates of drawings are based on data derived from contracts indicating delivery and credit terms and on Soviet imports of machinery and equipment. In general, early contracts (1960-64) involved 80%-85% credit and 5% interest. A large number of contracts since 1965 have involved 85% credit and 6% interest. Repayment periods for the earlier credits were usually three to five years following downpayment. Typical terms since 1965 have been eight years following delivery of equipment.

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Table 28

Soviet Stock of Fixed Capital, by Sector <sup>a</sup>Billion Rubles <sup>b</sup>

	1960	1965	1970	1971 <sup>c</sup>
Total capital stock <sup>d</sup> .....	328	496	710	764
Industry.....	84	144	218	238
Ferrous metallurgy.....	8	14	21	N.A.
Chemicals and petrochemicals.....	4	10	18	N.A.
Fuels and power.....	24	37	58	N.A.
Machine building and metalworking.....	17	29	46	N.A.
Construction materials.....	5	9	13	N.A.
Consumer goods.....	12	18	27	N.A.
Other <sup>e</sup> .....	14	27	35	N.A.
Construction industry.....	6	10	18	21
Agriculture <sup>d</sup> .....	44	62	87	93
Transport and communications.....	42	64	92	98
Housing.....	102	137	176	184
Services.....	50	79	119	130

<sup>a</sup> The Soviet regime recently revalued most of the stock of fixed capital on hand as of 1 January 1972 in investment prices of 1969. The results of the revaluation probably will not be announced until late 1972. In the meantime, the fixed capital series expressed in prices of 1955 continues to be the official series, even though it is not compatible with the new official investment series expressed in prices of 1969 (see Table 24). Value of stocks is estimated as of 1 July of the respective year on the basis of end-of-year data reported in various Soviet statistical handbooks.

<sup>b</sup> In 1955 prices (see Footnote a).

<sup>c</sup> Preliminary.

<sup>d</sup> Including the value of basic herds and draft animals.

<sup>e</sup> Nonferrous metals, timber, woodworking, paper, and miscellaneous other branches of industry.

Table 29

Average Annual Rates of Growth <sup>a</sup> of Industrial Production, by Branch of Industry, in the USSR  
Percent

	1961-65	1966-71 <sup>b</sup>	1965	1970	1971 <sup>b</sup>
Industrial materials.....	7.2	6.0	7.3	6.8	5.7
Electric power.....	11.5	8.0	10.0	7.6	8.1
Coal.....	2.7	2.0	4.4	2.4	2.7
Petroleum products and natural gas....	10.9	7.7	9.0	7.8	6.7
Ferrous metals.....	7.9	5.3	7.4	5.8	4.7
Nonferrous metals.....	8.3*	8.0*	7.9*	6.2*	6.0*
Forest products.....	3.0	3.7	1.2	5.6	4.5
Paper and paperboard products.....	7.7	6.8	12.8	6.9	5.8
Construction materials.....	8.0	6.2	9.3	8.3	5.2
Chemicals.....	11.7	9.1	12.5	11.6	7.9
Machinery.....	7.9*	7.6*	6.3*	7.0*	6.2*
Civilian.....	8.9	9.4	6.2	8.7	9.0
Military.....	6.4*	4.2*	6.4*	3.6*	0.5*
Nondurable consumer goods.....	4.5	6.0	6.1	6.6	3.8
Soft goods.....	2.4	7.2	1.2	6.7	3.2
Processed foods.....	7.0	4.8	11.6	6.5	4.4
Total industrial production.....	6.8*	6.5*	6.8*	6.8*	5.5*

\* An asterisk indicates that the data are classified.

<sup>a</sup> The base year is the year prior to the stated period. Rates of growth are derived from unrounded data.

<sup>b</sup> Preliminary.

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Table 30

Soviet Economic Plans for 1972 and 1971-75

Commodity	Production Unit of Measure	Average Annual Rate of Growth <sup>a</sup> (Percent)					
		1971 Actual	1972 Plan	1966-70 Actual	1971 Actual	1972 Plan	1971-75 Plan
Aggregative data							
Index of national income <sup>b</sup> .....	1965 = 100 .....	154	163	7.7	6.0	6.2	6.8
Gross industrial production <sup>c</sup> .....	1965 = 100 .....	162	173	8.4	7.8	6.9	8.0
Group A (producers' goods).....	1965 = 100 .....	163	174	8.6	7.7	6.8	7.9
Group B (consumer goods).....	1965 = 100 .....	161	172	8.3	7.9	7.1	8.3
Industrial labor productivity.....	1965 = 100 .....	140	149	5.7	6.3	6.1	6.8
Fuels and power							
Electric power.....	Billion kilowatt-hours.....	800	850	7.9	8.0	6.2	7.5
Total coal <sup>d</sup> .....	Million metric tons.....	641	634	1.6	2.7	-1.1	2.2
Crude oil <sup>e</sup> .....	Million metric tons.....	377	397	7.7	6.9	5.3	7.3 <sup>f</sup>
Natural gas.....	Billion cubic meters.....	212	229	9.2	7.1	8.0	9.9
Metals							
Crude steel.....	Million metric tons.....	120.9	125.5	4.9	4.3	3.8	4.8
Pig iron.....	Million metric tons.....	89.3	92.5	5.4	3.9	3.6	4.8
Chemicals							
Mineral fertilizer (Soviet statistical report- ing units).....	Million metric tons.....	61.4	65.9	12.1	10.8	7.3	10.2
Plastics and synthetic resins.....	Thousand metric tons.....	1,862	1,992	15.8	11.3	7.0	16.1
Manufacturing and construction							
Passenger automobiles.....	Thousand units.....	529	728	11.3	53.7	37.6	29.5
Trucks and buses.....	Thousand units.....	613.7	648	6.6	7.3	5.6	8.0
Tractors.....	Thousand units.....	472	478	5.3	2.9	1.3	4.6
Television receivers.....	Million units.....	5.8	6.0	12.8	-13.2	2.7	-0.3
Rubber tires.....	Million units.....	36.2	39.0	5.5	4.6	7.7	8.1
Cement.....	Million metric tons.....	100.3	103.4	5.6	5.3	3.1	5.8

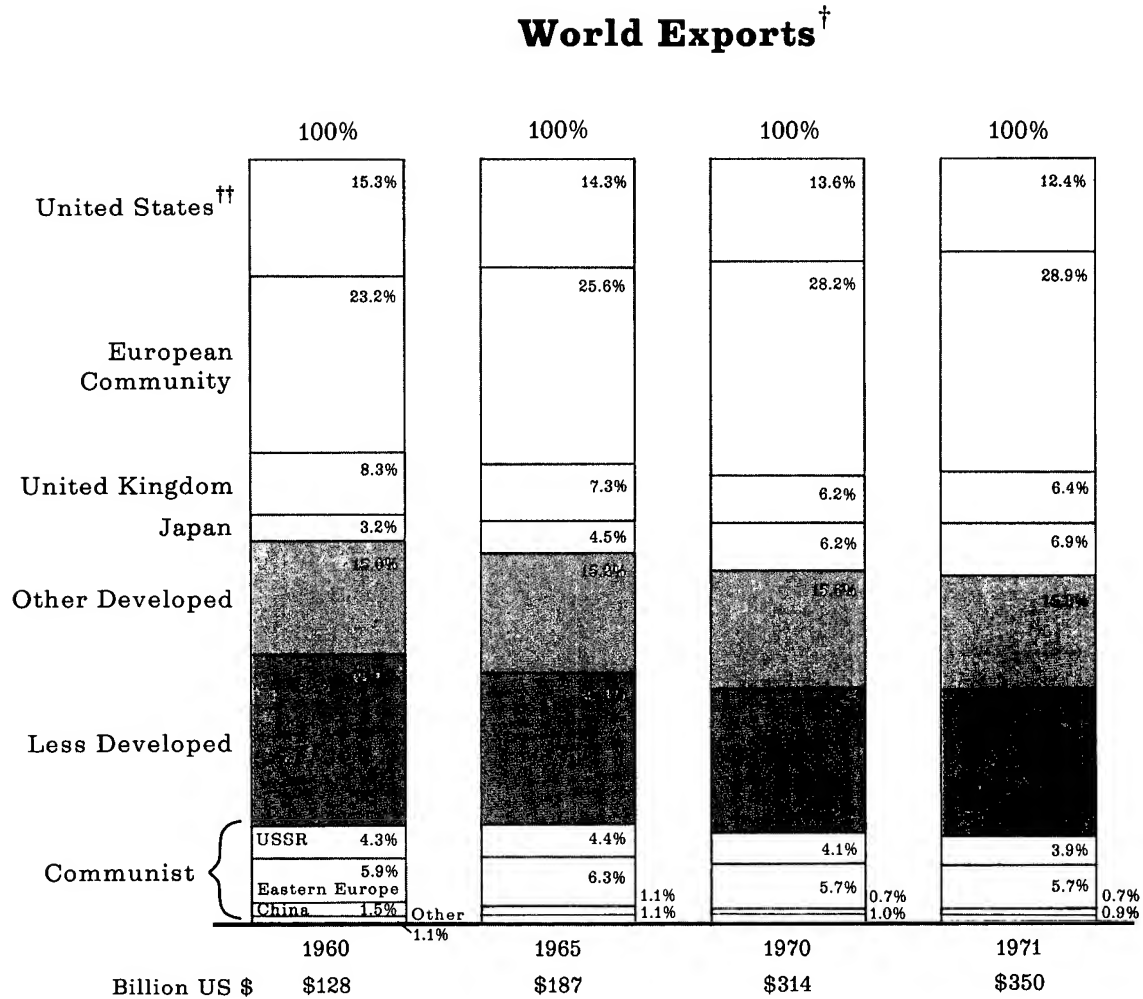
<sup>a</sup> The base year is the year prior to the stated period.<sup>b</sup> The official Soviet measure is based on a Marxist concept of national income and differs significantly from the concept used in Western market economies. For example, the Soviet measure excludes the value of services and overstates the contribution of industry by including all indirect taxes.<sup>c</sup> Official "gross" value series.<sup>d</sup> Raw gross output.<sup>e</sup> Unless otherwise indicated, including production of natural gas liquids.<sup>f</sup> Excluding production of natural gas liquids.

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Figure 17



<sup>†</sup> Data are f.o.b.  
<sup>††</sup> Excluding military aid.

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Table 31

World Exports<sup>a</sup>

Billion US \$

	1960	1965	1970	1971
WORLD.....	128	187	314	350
NON-COMMUNIST COUNTRIES.....	111.9	163.3	277.9	310.7
United States <sup>b</sup> .....	19.7	26.8	42.7	43.6
European Community.....	29.7	47.9	88.7	101.1
United Kingdom.....	10.6	13.7	19.4	22.3
Japan.....	4.1	8.5	19.3	24.0
Other Developed.....	19.3	28.5	49.1	53.5
Less Developed.....	28.5	38.0	58.7	66.2
COMMUNIST COUNTRIES.....	16.6	24.1	36.1	39.2
USSR.....	5.6	8.2	12.8	13.8
Eastern Europe.....	7.6	11.8	18.1	19.9
China.....	2.0	2.0	2.0	2.4
Other.....	1.5	2.1	3.2	3.1

<sup>a</sup> Data are f.o.b.<sup>b</sup> Excluding military aid.

Table 32

Trade of the United States with the USSR and East European Communist Countries<sup>a</sup>

Million US \$

	1960	1965	1970	1971
US exports to.....	193.9	140.0	353.6	384.0
USSR <sup>b</sup> .....	39.3	45.2	118.7	161.7
Eastern Europe.....	154.6	94.8	234.9	222.2
Bulgaria.....	0.1	3.6	15.3	4.4
Czechoslovakia.....	4.5	27.7	22.5	38.7
East Germany.....	4.0	12.4	32.5	25.4
Hungary.....	1.6	9.3	28.3	27.9
Poland.....	143.1	35.4	69.9	73.3
Romania.....	1.3	6.4	66.4	52.5
US imports from.....	80.9	137.4	225.6	222.7
USSR <sup>b</sup> .....	22.6	42.6	72.3	57.6
Eastern Europe.....	58.2	94.7	153.3	165.1
Bulgaria.....	0.8	1.7	2.4	2.6
Czechoslovakia.....	12.2	16.7	23.9	23.6
East Germany.....	3.2	6.5	9.4	10.1
Hungary.....	1.8	2.1	6.2	7.8
Poland.....	38.8	65.9	97.9	107.2
Romania.....	1.5	1.8	13.4	13.8

<sup>a</sup> Exports include reexports and are valued f.a.s. Imports are general imports and are valued f.o.b. port of export.<sup>b</sup> Including data for Estonia, Latvia, and Lithuania.



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Table 33

Trade of the United States with the USSR, by Commodity <sup>a</sup>

Thousand US \$

	1960	1965	1970	1971
	Exports to the USSR <sup>b</sup>			
Total exports <sup>c</sup> .....	39,255	45,117	118,540	161,621
Food and beverages.....	60	0	964	15,778
Tobacco and tobacco manufactures.....	0	36	1,320	941
Crude materials.....	4,022	15,902	32,671	26,634
Hides and skins except furskins.....	2,622	6,170	14,768	15,065
Pulp and waste paper.....	0	1,986	13,911	9,672
Manmade fibers.....	1,400	1,353	1,520	1,830
Oils, fats, and waxes.....	0	17,493	0	1
Chemicals.....	3,099	5,730	24,683	37,998
Basic manufactures.....	12,310	59	8,776	10,472
Machinery and transport equipment.....	19,254	5,155	44,709	62,903
Nonelectric machinery.....	17,403	2,636	37,812	53,957
Electric machinery and appliances.....	49	447	3,561	6,250
Transport equipment.....	1,802	2,072	3,336	2,696
Miscellaneous manufactures.....	258	144	5,221	6,618
Other.....	252	598	195	276
	Imports from the USSR <sup>d</sup>			
Total imports <sup>c</sup> .....	22,779	42,584	71,953	56,362
Food, beverages, and tobacco.....	221	568	619	263
Crude materials.....	8,008	13,867	21,121	16,040
Furskins, undressed.....	5,967	6,176	3,334	2,731
Chrome ore.....	160	4,373	13,691	11,147
Chemicals.....	8,175	960	913	1,062
Basic manufactures <sup>e</sup> .....	5,738	26,428	46,452	35,725
Platinum group metals <sup>e</sup> .....	5,525	22,979	22,887	19,515
Miscellaneous manufactures.....	317	513	2,752	3,163
Other.....	320	248	95	109

<sup>a</sup> Including data for Estonia, Latvia, and Lithuania, which are treated separately in the US Department of Commerce statistics prior to 1970.

<sup>b</sup> Exports are domestic exports only, excluding reexports, and are valued f.a.s.

<sup>c</sup> The minor differences between the totals shown on this table and those shown on Table 32 are due to differences in definition.

<sup>d</sup> General imports for all years except 1960, for which import data are for consumption only. Imports are valued f.o.b. port of export.

<sup>e</sup> Data may include unrefined metal.

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Table 34

Trade of the United States with Eastern Europe, by Commodity

Thousand US \$

	1960	1965	1970	1971
Exports to Eastern Europe <sup>a</sup>				
Total exports <sup>b</sup> .....	154,129	94,522	233,944	220,454
Food and beverages.....	99,375	40,030	71,662	111,932
Wheat.....	74,009	3,166	9,411	19,539
Tobacco and tobacco manufactures.....	2,819	2,299	2,463	3,279
Crude materials.....	22,597	12,136	59,117	43,810
Hides and skins except furskins.....	1,693	6,259	10,061	16,516
Cotton, unmanufactured.....	15,536	2,217	12,815	8,411
Mineral fuels.....	0	2,415	29,301	4,876
Oils, fats, and waxes.....	9,385	22,625	13,008	10,131
Chemicals.....	3,005	3,601	12,731	9,544
Basic manufactures.....	4,821	1,058	15,953	6,526
Machinery and transport equipment.....	4,495	5,580	24,296	26,112
Nonelectric machinery.....	3,944	4,472	18,940	19,493
Electric machinery and appliances.....	430	1,001	4,363	5,062
Transport equipment.....	121	107	993	1,557
Miscellaneous manufactures.....	623	890	4,838	3,709
Other.....	7,009	3,888	573	533
Imports from Eastern Europe <sup>c</sup>				
Total imports <sup>b</sup> .....	57,444	94,731	153,245	165,032
Food, beverages, and tobacco.....	29,815	37,815	62,089	59,826
Crude materials.....	8,942	7,533	11,139	8,432
Oils, fats, and waxes.....	392	241	12	185
Chemicals.....	1,206	3,280	6,877	7,699
Basic manufactures.....	8,171	25,409	37,205	51,082
Machinery and transport equipment.....	4,184	5,609	11,710	13,044
Miscellaneous manufactures.....	2,357	10,999	23,610	23,990
Other.....	2,377	3,845	603	772

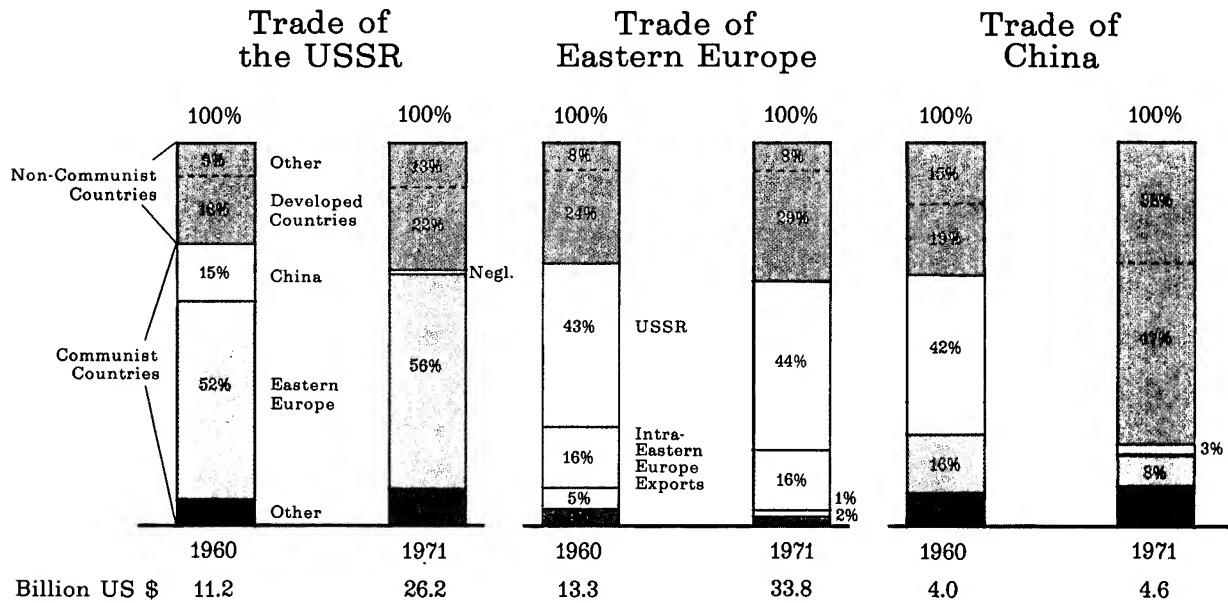
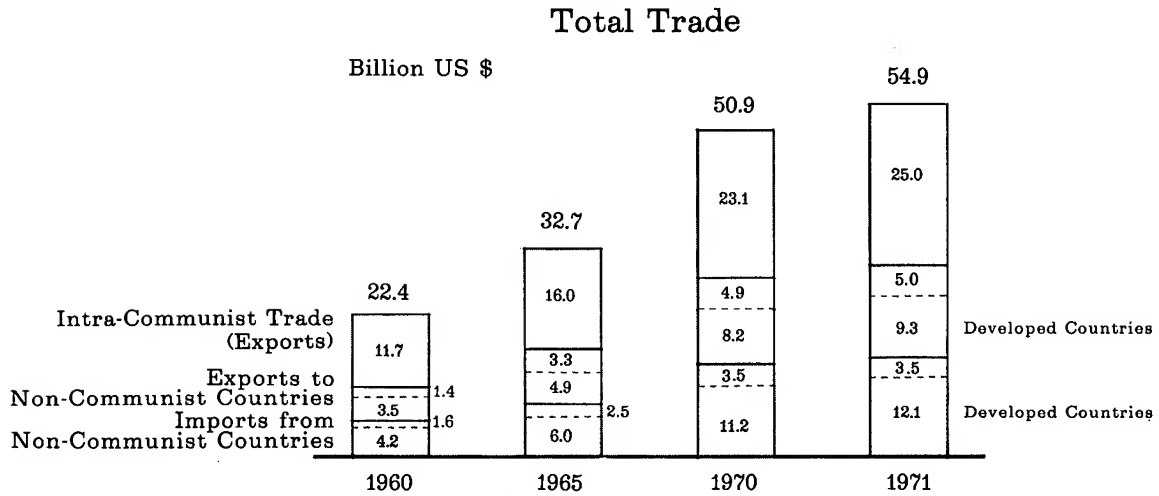
<sup>a</sup> Exports are domestic exports only, excluding reexports, and are valued f.a.s.<sup>b</sup> The minor differences between the totals shown on this table and those shown on Table 32 are due to differences in definition.<sup>c</sup> General imports for all years except 1960, for which import data are for consumption only. Imports are valued f.o.b. port of export.

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Figure 18

## Direction of Foreign Trade of the Communist Countries



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Table 35

Direction of Soviet Foreign Trade <sup>a</sup>

Million US \$

		Communist Countries						Non-Communist Countries			
		Total Trade	Total	Eastern Europe	China	Other Asian	Other <sup>b</sup>	Total	Developed Countries	Less Developed Countries	Unspeci- fied <sup>c</sup>
1960	Exports	5,563.6	4,211.4	3,074.3	817.1	63.9	256.1	1,352.2	983.1	336.3	32.8
	Imports	5,628.4	3,978.3	2,795.0	848.1	97.8	237.4	1,650.1	1,079.8	564.5	5.8
1961	Exports	5,998.4	4,321.1	3,399.7	367.3	118.3	435.7	1,677.3	1,069.3	498.4	109.6
	Imports	5,827.6	4,146.7	3,044.1	551.4	104.8	446.4	1,680.9	1,092.9	579.2	8.8
1962	Exports	7,030.5	4,905.2	3,971.1	233.4	135.3	565.3	2,125.3	1,115.2	560.0	450.1
	Imports	6,455.4	4,565.5	3,590.3	516.3	118.4	340.4	1,889.9	1,282.8	604.4	2.7
1963	Exports	7,272.4	5,099.4	4,163.3	187.2	138.8	610.1	2,173.0	1,218.1	751.9	203.0
	Imports	7,058.7	4,986.4	4,146.8	413.0	123.4	303.1	2,072.3	1,399.5	664.5	8.2
1964	Exports	7,683.3	5,406.8	4,499.2	135.3	130.6	641.8	2,276.4	1,282.1	774.5	219.8
	Imports	7,736.5	5,346.4	4,450.4	314.2	115.4	466.3	2,390.1	1,734.4	654.1	1.6
1965	Exports	8,174.6	5,556.3	4,552.6	191.7	164.7	647.3	2,618.3	1,438.0	910.7	269.7
	Imports	8,058.3	5,609.8	4,672.6	225.6	118.9	592.8	2,448.4	1,600.8	845.2	2.4
1966	Exports	8,841.0	5,872.8	4,692.0	175.3	153.8	851.8	2,968.2	1,711.4	886.3	370.5
	Imports	7,912.8	5,263.8	4,462.1	143.1	117.7	541.0	2,649.0	1,741.6	903.5	3.8
1967	Exports	9,652.2	6,377.0	5,038.7	50.3	258.0	1,030.0	3,275.2	1,886.1	963.2	425.9
	Imports	8,536.6	5,945.5	5,092.5	56.7	128.9	667.4	2,591.1	1,782.1	805.1	3.9
1968	Exports	10,634.2	7,134.0	5,636.1	59.3	331.4	1,107.2	3,500.2	2,051.2	948.0	501.0
	Imports	9,409.9	6,367.0	5,643.6	36.7	138.8	548.0	3,042.9	2,143.6	885.0	14.2
1969	Exports	11,655.1	7,681.8	6,198.2	27.8	390.9	1,035.0	3,973.3	2,230.2	1,169.3	573.8
	Imports	10,326.7	6,696.0	6,011.4	29.0	143.4	512.2	3,630.6	2,494.5	1,119.0	17.1
1970	Exports	12,800.0	8,366.9	6,758.4	24.9	415.0	1,168.7	4,433.1	2,344.8	1,291.4	796.9
	Imports	11,738.9	7,643.7	6,633.7	21.7	161.8	826.5	4,095.2	2,780.0	1,298.0	17.2

<sup>a</sup> Official Soviet statistics. Exports and imports are f.o.b.<sup>b</sup> Including data for Yugoslavia, Mongolia, Cuba, and Albania.<sup>c</sup> Including data for Hong Kong.

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Table 36  
Soviet Exports <sup>a</sup>

	1960		1965		1969		1970	
	Million US \$	Percent	Million US \$	Million US \$	Million US \$	Percent	Million US \$	Percent
Total exports .....	5,563.6	100.0	8,174.6	11,655.1	12,800.0	100.0		
Machinery and equipment .....	1,141.2	20.5	1,635.8	2,623.2	2,758.0	21.5		
Complete plants .....	568.5	10.2	613.5	961.3	955.1	7.5		
Fuels, lubricants, and related materials .....	901.8	16.2	1,386.4	1,777.4	1,930.8	15.1		
Coal and coke .....	242.1	4.4	384.3	368.5	408.5	3.2		
Petroleum and petroleum products .....	657.9	11.8	998.9	1,367.2	1,470.4	11.5		
Ores and concentrates .....	242.9	4.4	310.0	367.1	408.9	3.2		
Iron ore .....	175.0	3.1	250.7	295.3	324.9	2.5		
Base metals and manufactures .....	837.1	15.0	1,330.0	1,745.7	1,981.2	15.5		
Ferrous metals .....	642.3	11.5	998.3	1,177.9	1,354.3	10.6		
Rolled ferrous metals <sup>b</sup> .....	428.8	7.7	659.4	780.3	891.3	7.0		
Nonferrous metals .....	194.9	3.5	331.8	567.8	627.0	4.9		
Aluminum .....	35.1	0.6	110.9	159.1	184.0	1.4		
Chemicals .....	146.3	2.6	245.3	378.0	456.5	3.6		
Wood and wood products .....	305.1	5.5	593.6	724.4	832.3	6.5		
Lumber .....	182.8	3.3	312.2	306.5	333.2	2.6		
Textile raw materials and semimanufactures .....	358.6	6.4	421.3	402.9	437.4	3.4		
Cotton fiber .....	288.7	5.2	334.7	323.7	372.0	2.9		
Consumer goods .....	903.0	16.2	904.3	1,480.6	1,336.7	10.4		
Food .....	698.3	12.6	664.0	1,175.3	1,007.4	7.9		
Grain .....	467.8	8.4	270.3	497.6	399.1	3.1		
Other consumer goods .....	204.6	3.7	240.4	305.2	329.3	2.6		
Other merchandise .....	200.5	3.6	240.0	396.2	446.4	3.5		
Unspecified .....	527.2	9.5	1,107.8	1,759.7	2,211.7	17.3		

<sup>a</sup> Official Soviet statistics. Exports are f.o.b.

<sup>b</sup> Excluding pipes.

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Table 37

Soviet Imports <sup>a</sup>

	1960		1965	1969	1970	
	Million US \$	Percent	Million US \$	Million US \$	Million US \$	Percent
Total imports.....	5,628.4	100.0	8,058.3	10,326.7	11,738.9	100.0
Machinery and equipment.....	1,675.2	29.8	2,692.2	3,873.1	4,117.9	35.1
Transportation equipment.....	658.1	11.7	990.0	1,119.2	1,288.4	11.0
Fuels, lubricants, and related materials.....	237.3	4.2	198.5	203.1	211.0	1.8
Coal and coke.....	93.5	1.7	123.0	127.0	124.2	1.1
Petroleum and petroleum products.....	143.7	2.6	75.5	64.1	71.3	0.6
Ores and concentrates.....	314.0	5.6	315.5	224.0	301.3	2.6
Base metals and manufactures.....	545.9	9.7	393.1	554.5	696.6	5.9
Ferrous metals.....	373.9	6.6	317.9	475.9	598.4	5.1
Rolled ferrous metals <sup>b</sup> .....	178.8	3.2	136.0	252.4	287.2	2.4
Nonferrous metals.....	172.0	3.1	75.2	78.7	98.1	0.8
Tin.....	34.8	0.6	21.0	23.1	29.8	0.3
Chemicals.....	149.4	2.7	375.4	591.9	623.9	5.3
Rubber and rubber products.....	195.9	3.5	198.9	193.1	191.8	1.6
Wood and wood products.....	104.8	1.9	150.3	218.6	255.9	2.2
Textile raw materials and semimanufactures.....	364.5	6.5	357.9	441.2	561.2	4.8
Cotton fiber.....	179.9	3.2	161.7	149.4	249.6	2.1
Wool fiber.....	118.0	2.1	100.0	117.8	120.1	1.0
Consumer goods.....	1,566.9	27.8	2,656.6	3,076.0	3,691.9	31.5
Food.....	608.0	10.8	1,511.0	1,184.6	1,583.9	13.5
Wheat and wheat flour.....	9.6	0.2	424.8	30.0	139.1	1.2
Other consumer goods.....	958.8	17.0	1,145.6	1,891.4	2,108.0	18.0
Other merchandise.....	374.7	6.7	480.3	499.4	593.4	5.1
Unspecified.....	99.9	1.8	239.4	451.8	494.0	4.2

<sup>a</sup> Official Soviet statistics. Imports are f.o.b.<sup>b</sup> Excluding pipes.

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Table 38  
Soviet Exports of Petroleum <sup>a</sup>

	1960	1965	1970 <sup>b</sup>	1971 <sup>b</sup>
	Million Metric Tons			
Total Petroleum.....	33.2	64.4	93.3	100.6*
Non-Communist Countries.....	18.0	35.5	45.4	46.2*
Western Europe.....	13.6	22.3	37.5	38.4*
Finland.....	2.2	4.4	7.8	8.4*
Italy.....	4.7	7.4	10.2	9.9*
West Germany.....	2.0	3.8	6.3	5.6*
Middle East and South Asia.....	2.6	4.9	3.7	4.0*
East Asia.....	1.4	3.9	2.7	2.3*
Africa.....	0.2	1.1	1.3	1.4*
Western Hemisphere.....	0.2	3.3	0.2	0.1*
Communist Countries.....	15.2	28.9	47.9	54.4*
Eastern Europe.....	9.2	22.4	38.4	44.7*
Crude oil.....	17.8	43.4	63.7	70.6*
Non-Communist Countries.....	9.0	21.0	26.1	26.1*
Western Europe.....	6.5	13.1	21.8	22.2*
Finland.....	0.8	1.9	1.1	5.9*
Italy.....	3.9	6.6	9.1	8.6*
West Germany.....	1.2	2.6	3.5	3.3*
Middle East and South Asia.....	1.1	1.8	1.6	1.7*
East Asia.....	1.2	2.3	1.6	1.3*
Africa.....	0.1	1.0	1.1	1.0*
Western Hemisphere.....	0.1	2.8	0	0*
Communist Countries.....	8.8	22.4	37.6	44.5*
Eastern Europe.....	6.2	18.3	32.5	39.2*
Petroleum products.....	15.4	21.0	29.6	30.0*
Non-Communist Countries.....	9.0	14.5	19.3	20.1*
Western Europe.....	7.1	9.2	15.7	16.2*
Finland.....	1.4	2.5	6.7	2.5*
Italy.....	0.8	0.8	1.1	1.3*
West Germany.....	0.8	1.2	2.8	2.3*
Middle East and South Asia.....	1.5	3.1	2.1	2.4*
East Asia.....	0.2	1.6	1.1	1.0*
Africa.....	0.1	0.1	0.2	0.4*
Western Hemisphere.....	0.1	0.5	0.2	0.1*
Communist Countries.....	6.4	6.5	10.3	9.9*
Eastern Europe.....	3.0	4.4	5.9	5.5*
	Million US \$			
Total petroleum.....	657.9	998.9	1,425.0	1,610.0*
Non-Communist Countries.....	250.1	422.3	610.0	685.0*
Communist Countries.....	407.8	576.6	815.0	925.0*
Eastern Europe.....	239.7	469.6	653.0	760.0*
Crude oil.....	275.7	612.0	880.0	1,030.0*
Non-Communist Countries.....	101.5	214.6	310.0	350.0*
Communist Countries.....	174.2	397.4	570.0	680.0*
Eastern Europe.....	137.2	348.3	488.0	590.0*
Petroleum products.....	382.2	386.9	545.0	580.0*
Non-Communist Countries.....	148.6	207.7	300.0	335.0*
Communist Countries.....	233.6	179.2	245.0	245.0*
Eastern Europe.....	102.5	121.3	165.0	170.0*

\* An asterisk indicates that the data are classified.

<sup>a</sup> Except for the terminal year, data are official Soviet statistics. Data for the non-Communist countries are derived as residuals and include exports for which the importing country is not specified.<sup>b</sup> Excluding crude oil obtained by the USSR from non-Communist sources and exported to other Communist and non-Communist countries on Soviet account. The quantities involved are estimated to have been 2.5 million metric tons in 1970 and 3.2 million metric tons in 1971.

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Table 39

## Direction of Chinese Foreign Trade

Million US \$ <sup>a</sup>

		Communist Countries				Non-Communist Countries			
		Total Trade	Total	Eastern Europe	USSR	Other <sup>b</sup>	Total	Developed Countries	Less Developed Countries Hong Kong and Macao
1960	Exports	1,960	1,335	310	850	175	625	240	245
	Imports	2,030	1,285	335	815	135	745	505	235
1961	Exports	1,530	965	145	550	270	560	220	225
	Imports	1,495	715	160	365	190	775	600	175
1962	Exports	1,525	915	105	515	295	605	210	260
	Imports	1,150	490	65	235	190	660	475	185
1963	Exports	1,570	820	115	415	290	755	265	305
	Imports	1,200	430	50	185	195	770	580	190
1964	Exports	1,750	710	100	315	295	1,040	415	350
	Imports	1,470	390	60	135	195	1,080	685	395
1965	Exports	2,035	650	95	225	330	1,385	575	455
	Imports	1,845	515	110	190	215	1,330	920	405
1966	Exports	2,210	585	130	145	310	1,625	715	510
	Imports	2,035	505	140	175	190	1,530	1,140	385
1967	Exports	1,945	485	110	55	320	1,460	635	515
	Imports	1,950	345	135	50	160	1,605	1,345	260
1968	Exports	1,945	500	140	35	325	1,445	620	500
	Imports	1,820	340	135	60	145	1,480	1,250	230
1969	Exports	2,030	490	145	30	315	1,540	685	515
	Imports	1,830	295	120	25	150	1,535	1,245	290
1970	Exports	2,050	480	160	25	295	1,570	675	525
	Imports	2,170	345	160	20	165	1,825	1,555	265
1971 <sup>c</sup>	Exports	2,400	550	195	65	290	1,850	780	585
	Imports	2,200	400	165	65	170	1,800	1,400	395

<sup>a</sup> Rounded to the nearest US \$5 million.<sup>b</sup> Including data for Yugoslavia, Mongolia, Cuba, and Albania.<sup>c</sup> Preliminary.

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Table 40  
Chinese Exports <sup>a</sup>

Million US \$

	1967			1968			1969			1970 <sup>b</sup>		
	Total	Non-Com-munist	Com-munist	Total	Non-Com-munist	Com-munist	Total	Non-Com-munist	Com-munist	Total	Non-Com-munist	Com-munist
Total.....	1,945	1,460	485	1,945	1,445	500	2,030	1,540	490	2,050	1,570	480
Foodstuffs.....	510	435	75	540	455	85	615	535	80	645	555	90
Animals, meat, and fish.....	170	150	20	175	150	25	210	185	25	215	195	20
Grains.....	140	115	25	130	100	30	115	85	30	110	80	30
Fruits and vegetables.....	125	105	20	140	115	25	175	155	20	170	145	25
Crude materials, fuels, and edible oils.....	440	380	60	420	355	65	450	385	65	430	370	60
Oilseeds.....	90	90	0	85	85	0	75	75	0	65	65	0
Textile fibers.....	100	90	10	90	80	10	120	110	10	100	90	10
Crude animal materials.....	75	50	25	100	65	35	130	95	35	115	80	35
Chemicals.....	85	60	25	85	60	25	90	65	25	105	80	25
Manufactures.....	850	525	325	840	515	325	820	500	320	860	555	305
Textile yarn and fabric.....	245	180	65	260	190	70	305	230	75	340	260	80
Clothing.....	170	50	120	180	70	110	195	90	105	155	70	85
Iron and steel.....	70	40	30	25	<i>Negl.</i>	25	35	10	25	40	15	25
Nonferrous metals.....	35	25	10	25	15	10	35	25	10	25	15	10
Other.....	60	60	0	60	60	0	55	55	0	10	10	0

<sup>a</sup> Rounded to the nearest US \$5 million.<sup>b</sup> Preliminary.

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Table 41  
Chinese Imports <sup>a</sup>

Million US \$

	1967			1968			1969			1970 <sup>b</sup>		
	Total	Non-Com-munist	Com-munist	Total	Non-Com-munist	Com-munist	Total	Non-Com-munist	Com-munist	Total	Non-Com-munist	Com-munist
Total.....	1,950	1,605	345	1,820	1,480	340	1,830	1,535	295	2,170	1,825	345
Foodstuffs.....	380	305	75	410	335	75	350	280	70	355	285	70
Grain.....	295	295	0	305	305	0	260	260	0	280	280	0
Crude materials, fuels, and edible oils.....	320	255	65	300	235	65	310	255	55	360	280	80
Rubber.....	75	75	0	85	85	0	145	145	0	80	80	0
Textile fibers.....	150	150	0	100	100	0	90	90	0	110	110	0
Chemicals.....	285	280	5	315	310	5	310	305	5	330	320	10
Fertilizer.....	200	200	0	200	200	0	205	205	0	230	230	<i>Negl.</i>
Manufactures.....	945	760	185	775	590	185	850	685	165	1,115	930	185
Textile yarn and fabric.....	45	45	0	40	40	0	30	30	0	45	45	0
Iron and steel.....	325	295	25	265	240	25	275	255	20	390	370	20
Nonferrous metals.....	85	75	10	125	115	10	225	220	5	210	200	10
Machinery and equipment.....	380	245	135	275	135	140	240	110	130	395	255	140
Other.....	20	5	15	20	10	10	15	10	5	10	10	0

<sup>a</sup> Rounded to the nearest US \$5 million.<sup>b</sup> Preliminary.Table 42  
East European Foreign Trade <sup>a</sup>

Million US \$

		Communist Countries						Non-Communist Countries		
		Total Trade	Total	USSR	Eastern Europe	Far East <sup>b</sup>	Other <sup>c</sup>	Total	Developed Countries	Less Developed Countries
1960.....	Exports.....	7,625	5,525	2,819	2,101	398	208	2,100	1,502	598
	Imports.....	7,761	5,556	2,955	2,084	351	166	2,206	1,675	530
1961.....	Exports.....	8,315	6,003	3,130	2,377	205	290	2,313	1,628	684
	Imports.....	8,467	5,982	3,227	2,334	175	245	2,485	1,923	562
1962.....	Exports.....	8,908	6,542	3,613	2,543	109	276	2,365	1,667	698
	Imports.....	9,237	6,793	3,835	2,540	146	271	2,445	1,866	578
1963.....	Exports.....	9,901	7,299	4,137	2,695	91	376	2,601	1,862	739
	Imports.....	9,730	7,094	3,995	2,660	154	285	2,637	1,977	660
1964.....	Exports.....	10,935	7,959	4,500	2,920	96	442	2,977	2,118	859
	Imports.....	10,860	7,639	4,318	2,889	143	289	3,221	2,456	765
1965.....	Exports.....	11,773	8,418	4,692	3,172	159	394	3,354	2,343	1,012
	Imports.....	11,598	8,107	4,436	3,112	147	412	3,490	2,579	911
1966.....	Exports.....	12,306	8,536	4,538	3,259	222	514	3,771	2,665	1,106
	Imports.....	12,702	8,572	4,709	3,254	172	436	4,130	3,176	955
1967.....	Exports.....	13,402	9,352	5,105	3,533	263	450	4,049	2,846	1,203
	Imports.....	13,497	9,162	5,075	3,532	143	412	4,335	3,385	950
1968.....	Exports.....	14,527	10,342	5,650	3,881	299	508	4,185	2,975	1,210
	Imports.....	14,517	10,043	5,561	3,872	180	430	4,474	3,466	1,007
1969.....	Exports.....	16,125	11,202	6,064	4,263	297	574	4,924	3,410	1,514
	Imports.....	16,045	11,062	6,201	4,232	198	430	4,983	3,840	1,142
1970.....	Exports.....	18,092	12,515	6,630	4,922	322	638	5,578	4,056	1,522
	Imports.....	18,446	12,468	6,801	4,896	227	543	5,978	4,647	1,332

<sup>a</sup> Official East European statistics. Exports are f.o.b. Imports are f.o.b. except for Hungary which is c.i.f. Romania does not indicate whether imports are f.o.b. or c.i.f.<sup>b</sup> Including data for China, North Korea, and North Vietnam.<sup>c</sup> Including data for Albania, Cuba, Mongolia, and Yugoslavia.

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Table 43

East European Exports <sup>a</sup>

Million US \$

	1966	1967	1968	1969	1970
Total.....	9,101.6	9,945.5	10,735.9	11,972.1	13,511.2
Machinery and equipment..	3,103.4	3,367.2	3,768.4	4,288.0	4,866.7
Fuels, raw materials, and other crude materials....	2,919.1	3,049.8	3,247.0	3,627.8	4,203.6
Foodstuffs.....	1,608.6	1,841.6	1,820.4	2,022.7	2,144.3
Consumer goods.....	1,470.5	1,686.7	1,900.2	2,033.5	2,296.8

<sup>a</sup> Excluding East Germany, for which commodity data are not available.

Table 44

East European Imports <sup>a</sup>

Million US \$

	1966	1967	1968	1969	1970
Total.....	9,487.0	10,218.0	11,123.9	11,921.3	13,598.8
Machinery and equipment..	3,273.7	3,741.1	3,897.5	4,102.9	4,605.9
Fuels, raw materials, and other crude materials....	4,605.5	4,817.1	5,334.5	5,765.8	6,628.8
Foodstuffs.....	1,035.7	1,050.8	1,170.8	1,234.3	1,373.9
Consumer goods.....	571.8	608.9	721.1	818.5	990.5

<sup>a</sup> Excluding East Germany, for which commodity data are not available.UNCLASSIFIED  
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## SECRET/NO FOREIGN DISSEM

Table 45  
Foreign Trade of Other Communist Countries

Million US \$

	Communist Countries						Non-Communist Countries
	Total	Total	USSR	Eastern Europe	China	Other	
Exports							
1960							
Albania.....	49	48	24	21	2	1	1
Cuba.....	618	150	104	12	32	2	468
North Korea.....	155	150	75	18	56	1	5
North Vietnam <sup>a</sup> .....	80*	70*	23*	22*	25*	N.A.	10*
Yugoslavia.....	566	184	53	129	1	1	382
1965							
Albania <sup>a</sup> .....	63*	58*	.....	29*	26*	4*	5*
Cuba.....	686	534	322	108	100	4	152
North Korea.....	198	177	88	25	60	4	21
North Vietnam <sup>a</sup> .....	110*	87*	31*	26*	20*	10*	23*
Yugoslavia.....	1,092	465	188	270	.....	7	626
1970							
Albania.....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Cuba.....	1,045	770	535	150	70	15	275
North Korea.....	301	243	144	40	50	9	58
North Vietnam <sup>a</sup> .....	63*	46*	18*	13*	15*	Negl.*	17*
Yugoslavia.....	1,679	548	242	297	5	4	1,132
1971							
Albania.....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Cuba.....	825	515	285	145	65	20	310
North Korea.....	310	250	136	40	65	9	60
North Vietnam.....	N.A.	N.A.	24	N.A.	N.A.	N.A.	N.A.
Yugoslavia.....	1,816	674	268	395	4	7	1,142
Imports							
1960							
Albania.....	81	77	46	24	7	Negl.	4
Cuba.....	638	120	88	19	12	1	518
North Korea.....	167	160	39	31	88	2	7
North Vietnam <sup>a</sup> .....	128*	118*	24*	32*	62*	N.A.	10*
Yugoslavia.....	826	212	57	154	Negl.	1	614
1965							
Albania <sup>a</sup> .....	105*	86*	0	26*	56*	4*	19*
Cuba.....	866	659	428	103	123	5	207
North Korea.....	216	180	90	26	60	4	36
North Vietnam <sup>a</sup> .....	180*	165*	75*	30*	55*	5*	15*
Yugoslavia.....	1,288	375	108	260	Negl.	7	913
1970							
Albania.....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Cuba.....	1,300	905	675	145	70	15	395
North Korea.....	384	323	230	40	50	3	61
North Vietnam <sup>a</sup> .....	381*	372*	185*	97*	75*	15*	9*
Yugoslavia.....	2,874	594	193	395	2	4	2,280
1971							
Albania.....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Cuba.....	1,300	925	685	155	70	15	375
North Korea.....	540	480	367	40	70	3	60
North Vietnam.....	N.A.	N.A.	179	N.A.	N.A.	N.A.	N.A.
Yugoslavia.....	3,253	779	281	489	3	6	2,474

\* An asterisk indicates that the data are classified.

<sup>a</sup> Estimated.

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Table 46

## Exports by Other Communist Countries

	1960		1965		1969		1970	
	Million US \$	Percent	Million US \$	Million US \$	Million US \$	Percent	Million US \$	Percent
Cuba.....	618	100	686	660	1,045	100		
Sugar.....	491	79	591	495	805	77		
Raw sugar.....	N.A.	N.A.	511	403	700	67		
Refined sugar, molasses, and syrup.....	N.A.	N.A.	80	92	105	10		
Tobacco.....	63	10	33	42	33	3		
Raw.....	N.A.	N.A.	19	15	13	1		
Manufactured.....	N.A.	N.A.	14	27	20	2		
Minerals.....	24	4	50	88	172	17		
Other.....	40	7	12	35	35	3		
North Korea.....	155	100	198	272	301	100		
Food and beverages.....	N.A.	N.A.	30	40	35	12		
Crude materials.....	N.A.	N.A.	29	28	34	11		
Fuels.....	N.A.	N.A.	5	4	4	1		
Chemicals.....	N.A.	N.A.	10	16	14	5		
Manufactured goods.....	N.A.	N.A.	112	162	184	61		
Machinery and equipment.....	N.A.	N.A.	4	9	14	5		
Unidentified.....	N.A.	N.A.	8	13	15	5		
Yugoslavia.....	566	100	1,092	1,474	1,679	100		
Foodstuffs.....	190	34	264	219	249	15		
Fuels, raw materials, and other materials.....	258	46	459	775	880	52		
Machinery and equipment.....	55	10	187	204	242	14		
Consumer goods.....	63	11	182	276	308	18		

Table 47

## Imports by Other Communist Countries

	1960		1965		1969		1970	
	Million US \$	Percent	Million US \$	Million US \$	Million US \$	Percent	Million US \$	Percent
Cuba.....	638	100	866	1,225	1,300	100		
Raw materials and intermediate goods.....	200	31	231	325	335	26		
Fuels.....	86	13	85	110	120	9		
Capital goods.....	151	24	345	560	585	45		
Durable consumer goods.....	16	3	30	25	30	2		
Non-durable consumer goods.....	185	29	175	205	230	18		
Food.....	165	26	155	183	210	16		
Other.....	20	3	20	22	20	2		
North Korea.....	167	100	216	385	384	100		
Food and beverages.....	N.A.	N.A.	24	26	34	9		
Crude materials.....	N.A.	N.A.	12	23	24	6		
Fuels.....	N.A.	N.A.	42	57	61	16		
Chemicals.....	N.A.	N.A.	13	22	22	6		
Manufactured goods.....	N.A.	N.A.	48	44	39	10		
Machinery and equipment.....	N.A.	N.A.	50	160	166	43		
Unidentified.....	N.A.	N.A.	26	53	38	10		
Yugoslavia.....	826	100	1,228	2,134	2,874	100		
Foodstuffs.....	67	8	156	101	125	4		
Fuels, raw materials, and other materials.....	469	57	800	1,285	1,817	64		
Machinery and equipment.....	236	28	254	475	614	21		
Consumer goods.....	54	7	78	273	318	11		

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## SECRET/NO FOREIGN DISSEM

Table 48

## Foreign Trade of Communist Countries with North Vietnam

Million US \$

	1960	1965	1969	1970
Exports To				
Total.....	70	87	37	46
USSR <sup>a</sup> .....	23	31	17	18
Eastern Europe <sup>b</sup> .....	22	26	10	13
Bulgaria.....	2	2	<i>Negl.</i>	<i>Negl.</i>
Czechoslovakia.....	4	7	3	6
East Germany.....	7	6	3	4
Hungary.....	1	4	1	1
Poland.....	6	5	3	2
Romania.....	2	2	<i>Negl.</i>	<i>Negl.</i>
China <sup>c</sup> .....	25*	20*	10*	15*
Other <sup>d</sup> .....	<i>N.A.</i>	10*	<i>Negl.*</i>	<i>Negl.*</i>
Imports From				
Total.....	118	165	425	372
USSR <sup>a e</sup> .....	24	75	189	185
Eastern Europe <sup>b e</sup> .....	32	30	131	97
Bulgaria.....	2	2	5	5
Czechoslovakia.....	6	10	16	13
East Germany.....	11	6	57	37
Hungary.....	3	5	20	17
Poland.....	6	4	21	14
Romania.....	4	3	12	10
China <sup>c f</sup> .....	62*	55*	100*	75*
Other <sup>d</sup> .....	<i>N.A.</i>	5*	5*	15*

\*An asterisk indicates that the data are classified.

<sup>a</sup> Based on Soviet statistics.<sup>b</sup> Based on East European statistics.<sup>c</sup> Based on shipping statistics.<sup>d</sup> Including data for Albania, Cuba, Mongolia, and North Korea.<sup>e</sup> Excluding grant aid deliveries.<sup>f</sup> Possibly including grant aid deliveries.

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Table 49  
Exports by Selected Non-Communist Countries <sup>a</sup>

Million US \$

	1960	1965	1970	1971
<b>ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT.....</b>				
United States <sup>b</sup> .....	19,659	26,751	42,659	43,555
Belgium-Luxembourg.....	3,791	6,382	11,610	12,392
Canada.....	5,830	8,495	16,796	18,271
France.....	6,864	10,055	17,935	20,594
Italy.....	3,648	7,200	13,210	15,102
Japan.....	4,055	8,459	19,333	24,040
Netherlands.....	4,028	6,397	11,772	13,989
Spain.....	726	967	2,386	2,939
Sweden.....	2,566	3,971	6,795	7,464
Switzerland.....	1,879	2,960	5,132	5,740
United Kingdom.....	10,611	13,723	19,352	22,340
West Germany.....	11,418	17,893	34,189	39,016
<b>OTHER COUNTRIES</b>				
Algeria.....	558	637	1,009	N.A.
Argentina.....	1,079	1,493	1,773	1,700 <sup>b</sup>
Brazil.....	1,269	1,596	2,739	N.A.
Chile.....	488	685	1,247	N.A.
Egypt.....	568	605	762	789
Hong Kong.....	689	1,143	2,514	2,871
India.....	1,331	1,687	2,026	2,107
Iran.....	845	1,303	2,354	2,642
Iraq.....	654	882	1,099	N.A.
Israel.....	217	430	776	857
Kuwait.....	960	1,243	1,580	2,407
Libya.....	11	797	2,366	N.A.
Malaysia.....	1,189	1,236	1,687	1,634
Mexico.....	764	1,120	1,402	1,456
Nigeria.....	475	748	1,240	1,640
Pakistan.....	393	528	723	666
Peru.....	430	666	1,044	N.A.
Philippines.....	560	768	1,062	1,104
Saudi Arabia.....	820	1,395	2,361	N.A.
Singapore.....	1,136	981	1,554	1,755
South Africa.....	1,260	1,496	2,148	2,203
South Korea.....	33	175	835	1,068
Taiwan.....	164	450	1,428	1,998
Thailand.....	408	622	710	834
Venezuela.....	2,432	2,482	2,656	N.A.
Zambia.....	N.A.	533	1,001	N.A.

<sup>a</sup> Exports are f.o.b.<sup>b</sup> Excluding military aid.

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Table 50  
Imports by Selected Non-Communist Countries <sup>a</sup>

	Million US \$			
	1960	1965	1970	1971
<b>ORGANIZATION FOR ECONOMIC COOPERATION</b>				
AND DEVELOPMENT.....	86,400	133,000	230,000	256,000
United States.....	16,375	23,185	42,469	48,475
Belgium-Luxembourg.....	3,969	6,496	11,362	12,853
Canada.....	6,166	8,713	14,536	16,813
France.....	6,281	10,345	19,114	21,323
Italy.....	4,725	7,378	14,970	15,960
Japan.....	4,491	8,176	18,896	19,727
Netherlands.....	4,531	7,470	13,424	15,529
Spain.....	722	3,004	4,717	4,942
Sweden.....	2,901	4,377	7,007	7,082
Switzerland.....	2,243	3,697	6,485	7,219
United Kingdom.....	13,033	16,105	21,724	24,000
West Germany.....	10,107	17,472	29,814	34,322
<b>OTHER COUNTRIES</b>				
Algeria.....	1,265	671	1,257	N.A.
Argentina.....	1,249	1,199	1,695	N.A.
Brazil.....	1,462	1,096	2,849	3,370
Chile.....	526	604	931	N.A.
Egypt.....	668	934	786	890
Hong Kong.....	1,026	1,569	2,905	3,387
India.....	2,327	2,838	2,125	2,519
Iran.....	N.A.	860	1,658	1,871
Iraq.....	389	455	508	N.A.
Israel.....	503	836	1,451	N.A.
Kuwait.....	242	378	625	678
Libya.....	169	320	554	N.A.
Malaysia.....	905	1,097	1,412	1,431
Mexico.....	1,186	1,560	2,461	N.A.
Nigeria.....	604	771	1,059	1,506
Pakistan.....	654	1,047	1,151	917
Peru.....	373	744	603	N.A.
Philippines.....	663	894	1,210	1,315
Saudi Arabia.....	235	506	693	N.A.
Singapore.....	1,332	1,244	2,461	2,828
South Africa.....	1,711	2,699	3,922	4,436
South Korea.....	344	463	1,984	2,394
Taiwan.....	297	556	1,524	1,844
Thailand.....	453	735	1,293	1,280
Venezuela.....	1,188	1,508	1,994	N.A.
Zambia.....	N.A.	333	566	N.A.

<sup>a</sup> Imports are c.i.f.



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Table 51

## Trade Balance of Selected Non-Communist Countries

Million US \$

	1960	1965	1970	1971
<b>ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT.....</b>				
United States.....	-3,560	-7,610	-9,800	-10,000
Belgium-Luxembourg.....	3,284	3,566	190	-4,920
Canada.....	-178	-114	248	-461
France.....	-336	-218	2,260	1,458
Italy.....	583	-290	-1,179	-729
Japan.....	-1,077	-178	-1,760	-858
Netherlands.....	-436	283	437	4,313
Spain.....	-503	-1,073	-1,652	-1,540
Sweden.....	4	-2,037	-2,331	-2,003
Switzerland.....	-335	-406	-212	382
United Kingdom.....	-364	-737	-1,353	-1,479
West Germany.....	-2,422	-2,382	-2,372	-1,660
	1,311	421	4,375	4,694
<b>OTHER COUNTRIES</b>				
Algeria.....	-707	-34	-248	N.A.
Argentina.....	-170	294	78	N.A.
Brazil.....	-193	500	-110	N.A.
Chile.....	-38	81	316	N.A.
Egypt.....	-100	-329	-24	-101
Hong Kong.....	-337	-426	-391	-516
India.....	-996	-1,151	-99	-412
Iran.....	N.A.	443	696	771
Iraq.....	265	427	591	N.A.
Israel.....	-286	-406	-675	N.A.
Kuwait.....	718	865	955	1,729
Libya.....	-158	477	1,812	N.A.
Malaysia.....	284	139	275	203
Mexico.....	-422	-440	-1,059	N.A.
Nigeria.....	-129	-23	181	134
Pakistan.....	-261	-519	-428	-251
Peru.....	57	-78	441	N.A.
Philippines.....	-103	-126	-148	-211
Saudi Arabia.....	585	889	1,668	N.A.
Singapore.....	-196	-263	-907	-1,073
South Africa.....	-451	-1,203	-1,774	-2,233
South Korea.....	-311	-288	-1,149	-1,326
Taiwan.....	-133	-106	-96	154
Thailand.....	-45	-113	-583	-446
Venezuela.....	1,244	974	662	N.A.
Zambia.....	N.A.	200	435	N.A.

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ALL DATA IN THIS TABLE ARE SECRET/NO FOREIGN DISSEM

Table 52

Arms Exports to the Less Developed Countries <sup>a</sup>

Million US \$

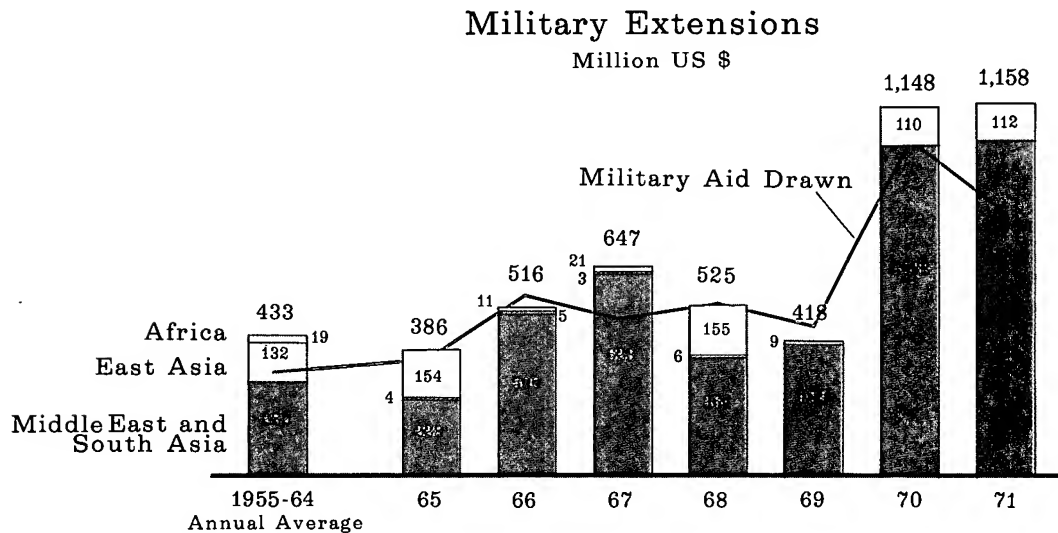
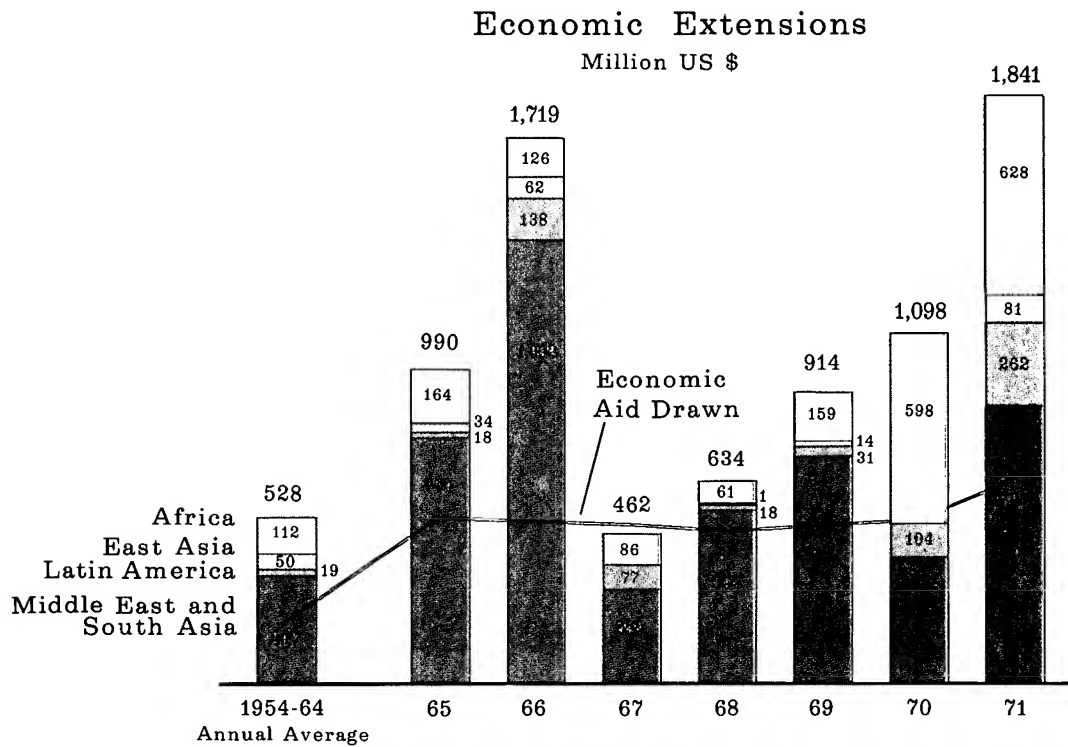
	1955-65	1966	1967	1968	1969	1970	1971	1966-71	1955-71
TOTAL.....	16,990	1,985	1,690	2,080	2,140	2,870	2,910	13,675	30,665
NON-COMMUNIST COUNTRIES.....	13,280	1,375	1,160	1,505	1,630	1,795	1,965	9,425	22,705
United States <sup>b</sup> .....	10,330	1,015	900	1,065	1,080	1,405	1,485	6,950	17,280
Western Europe.....	2,385	315	240	410	455	355	385	2,165	4,545
United Kingdom.....	1,210	115	80	125	175	125	150	770	1,980
France.....	580	100	90	175	180	105	100	755	1,335
West Germany.....	205	40	35	55	35	75	60	300	505
Italy.....	115	25	20	30	15	30	25	145	260
Belgium.....	80	25	5	15	15	5	15	75	155
Netherlands.....	25	0	0	5	20	5	5	30	60
Spain.....	5	5	5	10	5	<i>Negl.</i>	10	30	40
Other.....	165	5	10	5	10	5	25	55	220
Other.....	565	45	20	30	95	35	90	310	875
COMMUNIST COUNTRIES.....	3,715	605	535	580	515	1,075	945	4,245	7,960
USSR.....	3,090	495	485	500	445	985	800	3,705	6,795
China.....	50	70	25	25	25	25	70	240	290
Eastern Europe.....	575	45	25	55	40	65	75	300	875

<sup>a</sup> Exports include military sales and downpayments, as well as military aid. Data have been rounded to the nearest \$5 million.<sup>b</sup> Data are by fiscal years.

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Figure 19

## Communist Economic and Military Aid to Less Developed Countries



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Table 53

Communist Economic Aid to Less Developed Countries, Extensions and Drawings

Million US \$

	Total		USSR		Eastern Europe		China	
	Extended	Drawn	Extended	Drawn	Extended	Drawn	Extended	Drawn
1954-64 .....	5,812	2,087	3,837	1,524	1,302	387	673	176
1965-71 .....	7,659	3,682	3,891	2,337	2,196	752	1,572	593
1965 .....	990	519	372	351	548	90	71	77
1966 .....	1,719	511	1,276	335	279	86	164	90
1967 .....	462	509	290	287	122	121	50	100
1968 .....	634	486	379	297	201	122	54	66
1969 .....	914	500	480	338	422	98	13	64
1970 .....	1,098	516	198	352	192	109	708	55
1971 .....	1,841	642	896	376	432	126	513	140
Total .....	13,470	5,769	7,728	3,861	3,498	1,139	2,245	769

Table 54

Communist Military Aid to Less Developed Countries, Extensions and Drawings

Million US \$

	Total		USSR		Eastern Europe		China	
	Extended	Drawn	Extended	Drawn	Extended	Drawn	Extended	Drawn
1955-64 .....	4,330	3,211	3,788	2,686	505	490	37	35
1965-71 .....	4,798	4,294	4,153	3,750	335	289	310	255
1965 .....	386	353	262	331	45	9	79	13
1966 .....	516	569	449	455	15	43	52	71
1967 .....	647	488	515	443	75	21	57	24
1968 .....	525	531	462	455	45	50	18	26
1969 .....	418	469	329	408	86	36	3	25
1970 .....	1,148	1,046	1,064	956	29	66	55	24
1971 .....	1,158	838	1,072	702	40	64	46	72
Total .....	9,128	7,505	7,941	6,436	840	779	347	290

ALL DATA IN THESE TABLES ARE SECRET/NO FOREIGN DISSEM

## ALL DATA IN THIS TABLE ARE SECRET/NO FOREIGN DISSEM

Table 55

Total Gross Official Bilateral Capital Flows to Less Developed Countries, by Recipient <sup>a</sup>  
1954-70

Million US \$

Recipient	Total	Communist Countries				Development Assistance Committee Members <sup>b</sup>		
		Total	USSR	Eastern Europe	China	Total	United States	Other <sup>c</sup>
Total.....	91,452	5,045	3,466	1,003	575	86,407	50,207	36,200
Africa.....	19,639	653	364	92	197	18,986	3,858	15,128
Algeria.....	4,143	132	97	7	27	4,011	172	3,839
Guinea.....	283	152	74	27	51	131	89	42
Other.....	15,213	369	193	58	119	14,844	3,597	11,247
East Asia.....	18,013	444	136	166	142	17,569	13,394	4,175
Indonesia.....	2,778	308	105	156	47	2,470	1,082	1,388
South Korea.....	4,463	.....	.....	.....	.....	4,463	3,917	546
South Vietnam.....	4,676	.....	.....	.....	.....	4,676	4,543	133
Other.....	6,096	136	31	10	95	5,960	3,852	2,108
Middle East and South Asia.....	30,541	3,826	2,929	660	236	26,715	19,087	7,628
Afghanistan.....	1,036	591	568	8	14	445	272	173
Egypt.....	2,443	947	669	241	37	1,496	1,108	388
India.....	12,622	1,131	932	199	.....	11,491	8,068	3,423
Iran.....	1,335	292	232	60	.....	1,043	887	156
Iraq.....	231	163	136	27	.....	68	51	17
Pakistan.....	5,283	136	77	16	44	5,147	3,800	1,347
Syria.....	296	231	150	69	12	65	32	33
Turkey.....	2,703	67	51	16	.....	2,636	2,036	600
Yemen (San'a).....	181	117	63	11	43	64	55	9
Other.....	4,411	151	51	13	86	4,260	2,778	1,482
Latin America.....	14,506	121	38	83	0	14,385	10,620	3,765
Brazil.....	3,333	66	1	65	.....	3,267	2,785	482
Chile.....	1,589	.....	.....	.....	.....	1,589	1,316	273
Other.....	9,584	55	37	18	.....	9,529	6,519	3,010
Europe.....	1,982	0	0	0	0	1,982	1,455	527
Other <sup>d</sup> .....	6,770	0	0	0	0	6,770	1,793	4,976

<sup>a</sup> Total gross official capital flows include grants (less reparation and indemnification payments); gross loans with maturities of five years or more (Development Assistance Committee (DAC) member flows include gross loans with maturities of one to five years for the period 1965-70, but these amount to less than 4% of the total for that period); and net grant-like flows (loans repayable in recipients' currencies and transfers of resources through sales for recipients' currencies).

<sup>b</sup> Members of the Organization for Economic Cooperation and Development.

<sup>c</sup> Including Australia, Austria, Belgium, Canada, Denmark, France, Italy, Japan, Norway, the Netherlands, Portugal, Sweden, Switzerland, the United Kingdom, and West Germany. Data for Japan for the period 1954-68 exclude Japanese Eximbank and Overseas Economic Cooperation Fund supplier credits. Australia became a member of the DAC in 1966, and its bilateral flows are counted since 1965.

<sup>d</sup> Countries not specified by region.

ALL DATA IN THIS TABLE ARE SECRET/NO FOREIGN DISSEM

Table 56

Total Gross Official Bilateral Capital Flows from Developed Countries to Less Developed Countries,<sup>a</sup> by Donor

Million US \$

	Total 1954-70	1954-64	1965-70	1965	1966	1967	1968	1969	1970
Total official bilateral flows.....	91,452	46,300	45,153	6,787	7,056	7,396	7,437	7,967	8,510
Development Assistance Committee <sup>b</sup> .....	86,407	44,193	42,215	6,264	6,542	6,897	6,981	7,496	8,035
United States.....	50,207	28,121	22,086	3,665	3,799	3,804	3,775	3,533	3,510
France.....	13,512	8,158	5,354	793	791	828	913	990	1,039
United Kingdom.....	5,981	3,078	2,903	490	530	508	458	430	487
West Germany.....	5,744	2,019	3,725	521	556	611	643	676	718
Japan <sup>c</sup> .....	3,736	607	3,129	190	204	288	334 <sup>d</sup>	936 <sup>e</sup>	1,177
Other <sup>f</sup> .....	7,228	2,210	5,018	605	662	858	858	931	1,104
COMMUNIST COUNTRIES.....	5,045	2,107	2,938	523	514	499	456	471	475
USSR.....	3,466	1,520	1,946	355	338	284	296	332	341
Eastern Europe.....	1,003	411	591	91	87	121	114	90	88
China.....	575	177	399	76	89	94	46	49	45

<sup>a</sup> Total gross official capital flows include grants (less reparation and indemnification payments); gross loans with maturities of five years or more (Development Assistance Committee (DAC) member flows include gross loans with maturities of one to five years for the period 1965-70, but these amount to less than 4% of the total for that period); and net grant-like flows (loans repayable in recipients' currencies and transfers of resources through sales for recipients' currencies).

<sup>b</sup> Members of the Organization for Economic Cooperation and Development.

<sup>c</sup> Data for the period 1954-68 exclude Japanese Eximbank and Overseas Economic Cooperation Fund supplier credits.

<sup>d</sup> Including reparation and indemnification payments of US \$46 million.

<sup>e</sup> Including reparation and indemnification payments of US \$41 million.

<sup>f</sup> Including Australia, Austria, Belgium, Canada, Denmark, Italy, Norway, the Netherlands, Portugal, Sweden, and Switzerland. Disbursements by all donors to Yugoslavia are excluded.

Table 57

US Economic Loans and Grants to the Less Developed Countries, by Recipient <sup>a</sup>

Million US \$

	1946-52	1953-61	1962-66	1967	1968	1969	1970	1971	1946-71
Total.....	7,153	22,897	21,739	4,637	4,342	3,778	4,040	3,911	72,498
Africa.....	27	1,173	1,954	363	315	341	288	374	4,835
Morocco.....	<i>Negl.</i>	288	243	41	72	45	30	53	772
Tunisia.....	<i>Negl.</i>	242	216	53	47	44	46	47	695
Other.....	27	643	1,495	269	196	252	212	274	3,368
East Asia.....	3,068	7,487	3,719	1,024	896	1,003	1,086	1,319	19,603
Indonesia.....	275	276	96	57	102	237	206	177	1,427
Laos.....	0	264	210	55	63	50	53	48	742
Philippines.....	841	408	171	43	18	39	34	95	1,649
South Korea.....	667	2,559	1,030	181	189	240	221	262	5,349
South Vietnam.....	0	1,550	1,540	541	440	348	419	556	5,394
Taiwan.....	1,003	959	301	20	7	8	68	53	2,419
Thailand.....	23	267	186	37	47	36	29	18	643
Other.....	259	1,204	185	90	30	45	56	110	1,979
Latin America.....	860	3,883	5,534	1,358	1,311	971	1,045	601	15,563
Argentina.....	102	356	209	1	32	58	23	39	821
Bolivia.....	23	197	223	28	18	30	5	10	535
Brazil.....	184	1,312	1,300	269	325	33	192	177	3,792
Chile.....	110	338	615	257	93	79	29	-19	1,503
Colombia.....	27	250	452	136	105	128	146	103	1,346
Dominican Republic.....	1	2	282	58	65	28	20	16	471
Mexico.....	274	341	325	100	79	15	39	41	1,214
Peru.....	32	262	246	32	17	24	14	19	646
Venezuela.....	14	67	196	33	66	4	19	21	420
Other.....	93	758	1,686	444	511	572	558	194	4,819
Middle East and South Asia.....	2,161	7,960	8,099	1,219	1,264	788	880	909	23,280
Egypt.....	20	329	568	-4	-2	- <i>Negl.</i>	0	- <i>Negl.</i>	911
Greece.....	1,258	476	146	2	1	0	4	<i>Negl.</i>	1,887
India.....	289	2,618	3,690	582	618	442	436	459	9,134
Iran.....	42	611	195	105	40	8	43	87	1,131
Israel.....	222	564	280	10	75	75	51	69	1,346
Jordan.....	5	274	236	45	18	11	12	17	618
Pakistan.....	11	1,405	1,622	230	344	98	191	104	4,005
Turkey.....	270	1,108	866	152	70	87	86	90	2,729
Other.....	44	575	496	97	100	67	57	83	1,519
Europe and Oceania.....	117	1,068	367	182	48	93	140	75	2,089
Spain.....	53	1,017	295	158	8	50	62	15	1,658
Other.....	64	51	72	24	40	43	78	60	431
Non-regional.....	920	1,326	2,066	491	508	582	601	633	7,128

<sup>a</sup> Data are for fiscal years and include economic and technical assistance and defense support obligations under the Foreign Assistance Act and antecedent legislation, authorized Inter-American Development Bank loans, PL 480 funds earmarked for shipments of surplus agricultural products, authorized long-term Export-Import Bank loans, and US contributions to international organizations. A minus sign indicates deobligations in excess of new obligations.

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Table 58

US Military Deliveries to the Less Developed Countries, by Recipient <sup>a</sup>

Million US \$

	1946-52	1953-61	1962-66	1967	1968	1969	1970	1971	1946-71
Total.....	1,564	10,321	5,930	835	827	949	1,085	1,352*	22,863*
Africa.....	0	56	125	34	35	25	30	25*	330*
Ethiopia.....	0	43	60	9	18	12	12	12	166
Morocco.....	0	2	21	12	8	6	9	9*	67*
Other.....	0	11	44	13	9	7	9	4	97
East Asia.....	627	5,397	3,026	283	382	340	399	414*	10,868*
Cambodia.....	0	68	24	0	0	0	5	85	182
Indonesia.....	4	26	36	1	3	4	4	29	107
Laos.....	0	98	175*	74*	0	0	0	0	347*
Philippines.....	153	218	104	22	30	20	16	18	581
South Korea.....	12	1,472	820	151	206	226	261	159*	3,307*
Taiwan.....	191 <sup>b</sup>	1,934	477	72	129	87	96	119*	3,105*
Thailand.....	17	300	252	47	0	0	0	0	616
Other.....	250	1,281	1,138	-84 <sup>c</sup>	14	3	17	4	2,623
Latin America.....	Negl.	459	454	79	103	68	59	42*	1,264*
Argentina.....	0	11	48	10	14	18	11	8*	120*
Brazil.....	0	171	108	18	28	19	13	5*	362*
Chile.....	0	47	66	6	8	5	13	4*	149*
Colombia.....	Negl.	42	36	8	13	7	4	3	113
Peru.....	Negl.	70	54	7	10	3	2	1	147
Venezuela.....	0	31	44	11	9	3	3	2*	103*
Other.....	Negl.	87	98	19	21	13	13	19	270
Middle East and South Asia.....	862	3,515	1,734	364	319	458	403	844*	8,499*
Greece.....	533	843	412	46	51	66	47	116*	2,114*
India.....	0	0	96*	7	2	2	2	1	110*
Iran.....	17	451	277	75	87	163	86	268*	1,424*
Israel.....	0	1	21	2	2*	30*	94*	303*	453*
Jordan.....	0	16	29	20	2	4*	11*	18*	100*
Pakistan.....	0	497	191	Negl.	2	2	2	2*	696*
Saudi Arabia.....	0	62	26	68	26*	55*	12*	10*	259*
Turkey.....	312	1,573	673	144	144	136	150	124	3,256
Other.....	0	72	9	2	3	0	-1 <sup>c</sup>	2	87
Europe.....	12	724	183	12	15	19	134	16	1,115
Spain.....	0	442	154	9	12	16	133	15	781
Portugal.....	12	282	29	3	3	3	1	1	334
Non-regional.....	63	170	408	63	-27 <sup>c</sup>	39	60	11 <sup>d</sup>	787

\* An asterisk indicates that the data are classified.

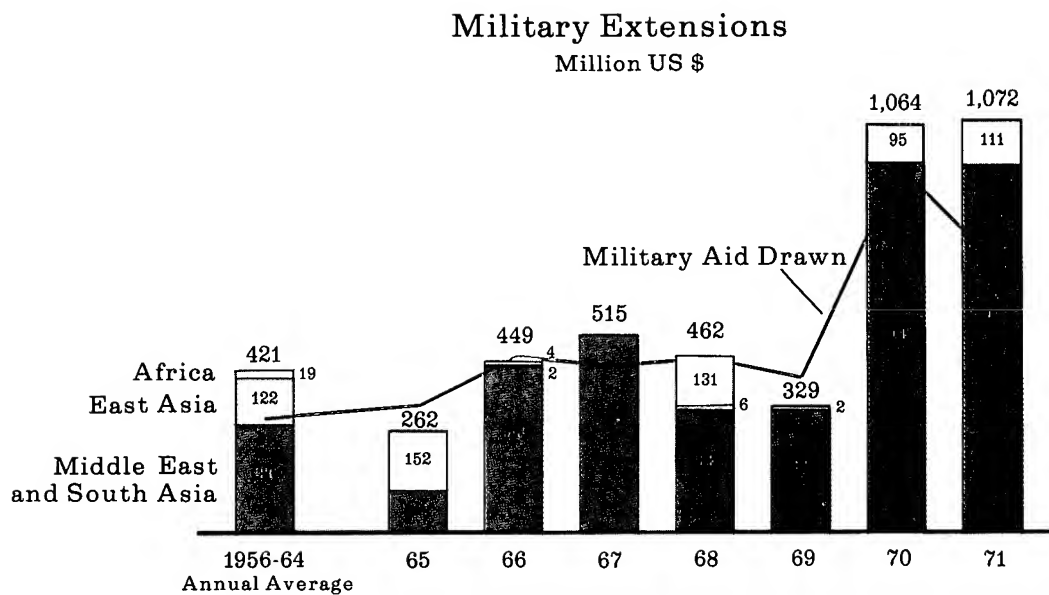
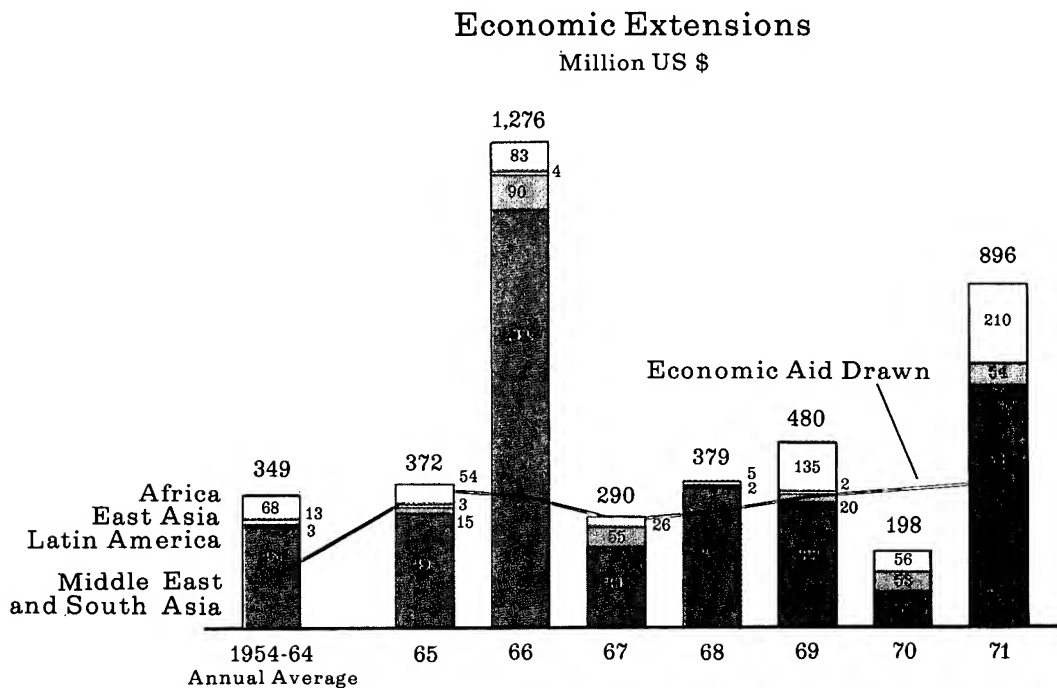
<sup>a</sup> Including deliveries of military equipment, supplies, and services under the Military Assistance Program and antecedent legislation; excess stock deliveries valued at 33% of the original acquisition value; the military portion of "Greek-Turkish Aid," "China Naval Aid," "PL 454 Philippine Aid," and "Vessel Loans;" and direct military loans by the Export-Import Bank.<sup>b</sup> Including aid to Mainland China.<sup>c</sup> A minus sign indicates a redistribution of the data to other countries or areas.<sup>d</sup> Excess stock deliveries only.



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Figure 20

## Soviet Economic and Military Aid to Less Developed Countries



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Table 59

Soviet Economic Aid Extended to Less Developed Countries, by Recipient

Million US \$								
	Total for 1954-66	1967	1968	1969	1970	1971	Total	Percent
Total .....	5,484.4	290.4	379.3	479.8	197.6	896.0	7,727.5	100.0
Africa .....	890.5	26.2	5.4	134.8	56.1	209.9	1,322.9	17.1
Algeria .....	237.5					188.9	426.4	5.5
Ethiopia .....	101.8						101.8	1.3
Ghana .....	93.0						93.0	1.2
Guinea .....	90.8	16.7		92.2			199.7	2.6
Kenya .....	48.7						48.7	0.6
Mali .....	62.9			0.8			63.7	0.8
Morocco .....	43.6				44.4		88.0	1.1
Sierra Leone .....	28.0						28.0	0.4
Somalia .....	63.2					18.0	81.2	1.1
Sudan .....	23.0			41.8			64.8	0.8
Tanzania .....	20.0						20.0	0.3
Tunisia .....	33.5	0.6					34.1	0.4
Other .....	44.5	8.9	5.4		11.7	3.0	73.5	1.0
East Asia .....	153.9	0	0	1.7	0	0	155.6	2.0
Burma .....	13.7			1.7			15.4	0.2
Cambodia .....	24.9						24.9	0.3
Indonesia .....	113.8						113.8	1.5
Laos .....	1.5						1.5	Negl.
Latin America .....	134.3	54.8	2.5	20.0	53.0	53.9	318.5	4.1
Argentina .....	44.3						44.3	0.6
Bolivia .....					27.5	2.0	29.5	0.4
Brazil .....	90.0						90.0	1.2
Chile .....		54.8				36.5	91.3	1.2
Other .....			2.5	20.0	25.5	15.4	63.4	0.8
Middle East and South Asia .....	4,305.7	209.4	371.4	323.3	88.5	632.2	5,930.5	76.7
Afghanistan .....	565.6	5.0	126.7		2.8	5.0	705.1	9.1
Ceylon .....	30.6				8.4	0.3	39.3	0.5
Egypt .....	1,001.0					195.6	1,196.6	15.5
India .....	1,611.8						1,611.8	20.9
Iran .....	368.4		177.8		54.4		600.6	7.8
Iraq .....	183.9	4.4		120.7	22.5	222.2	553.7	7.2
Pakistan .....	179.4		66.9	20.2		208.8	475.3	6.2
Syria .....	233.3					0.3	233.6	3.0
Turkey .....	5.2	200.0		166.0			371.2	4.8
Yemen (San'a) .....	98.0				0.4		98.4	1.3
Other .....	28.5			16.4			44.9	0.6

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Table 60

Soviet Military Aid Extended to the Less Developed Countries, by Recipient

Million US \$

	1956-66	1967	1968	1969	1970	1971	1967-71	1956-71
Total.....	4,499	515	462	329	1,064	1,072	3,442	7,941
Africa.....	331	Negl.	131	2	95	111	339	670
Algeria.....	245		50			100	150	395
Burundi.....					Negl.		Negl.	Negl.
Congo.....	2		1	2	9		12	14
Equatorial Guinea.....					Negl.		Negl.	Negl.
Ghana.....	10							10
Guinea.....	10	Negl.				5	5	15
Libya.....					80		80	80
Mali.....	4					2	2	6
Morocco.....	13							13
Nigeria.....			9				9	9
Somalia.....	35		5		6	4	15	50
Sudan.....			66				66	66
Tanzania.....	2							2
Uganda.....	10							10
East Asia.....	1,098	0	6	0	Negl.	0	6	1,104
Burma.....					Negl.		Negl.	Negl.
Cambodia.....	6		6				6	12
Indonesia.....	1,092							1,092
Middle East and South Asia.....	3,070	515	325	327	969	961	3,097	6,167
Afghanistan.....	348					107	107	455
Ceylon.....						2	2	2
Cyprus.....	26							26
Egypt.....	1,160	175	100	50	650	350	1,325	2,485
India.....	583		68	185	84	199	536	1,119
Iran.....		150		40	135	N.A.	325	325
Iraq.....	564	80	8	45	55	250	438	1,002
Lebanon.....						3	3	3
Maldives.....					Negl.		Negl.	Negl.
Pakistan.....	2		62				62	64
Syria.....	327	100	75		40	40	255	582
Yemen (Aden).....			7	5	5	10	27	27
Yemen (San'a).....	60	10	5	2			17	77

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ALL DATA IN THIS TABLE ARE SECRET/NO FOREIGN DISSEM

Table 61

Net Flow of Soviet Productive Resources to Less Developed Countries

Million US \$

	Annual Average 1954-64	1965	1966	1967	1968	1969	1970 <sup>a</sup>	1971 <sup>a</sup>
Deliveries of economic aid <sup>b</sup> .....	138	351	335	287	297	338	352	376
Less repayments for economic aid.....	18	74	89	103	138	165	207	221
Principal.....	12	50	63	74	99	127	160	171
Interest.....	6	23	26	30	38	38	47	50
Less repayments for military aid.....	37	84	91	68	107	118	141	166
Principal.....	34	76	82	54	90	95	123	121
Interest.....	3	8	9	13	17	23	18	45
Net Flow <sup>c</sup> .....	83	193	155	116	52	55	4	-11

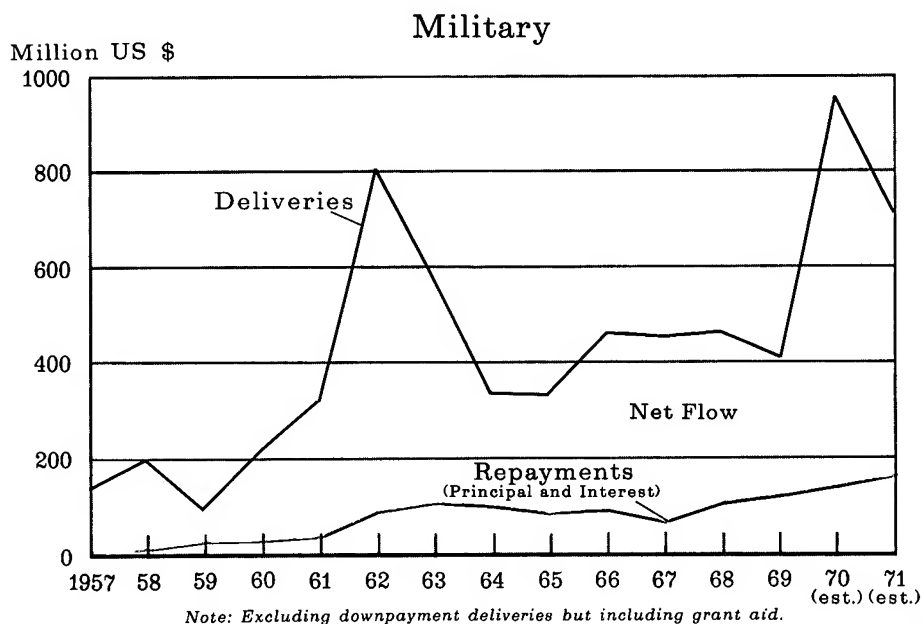
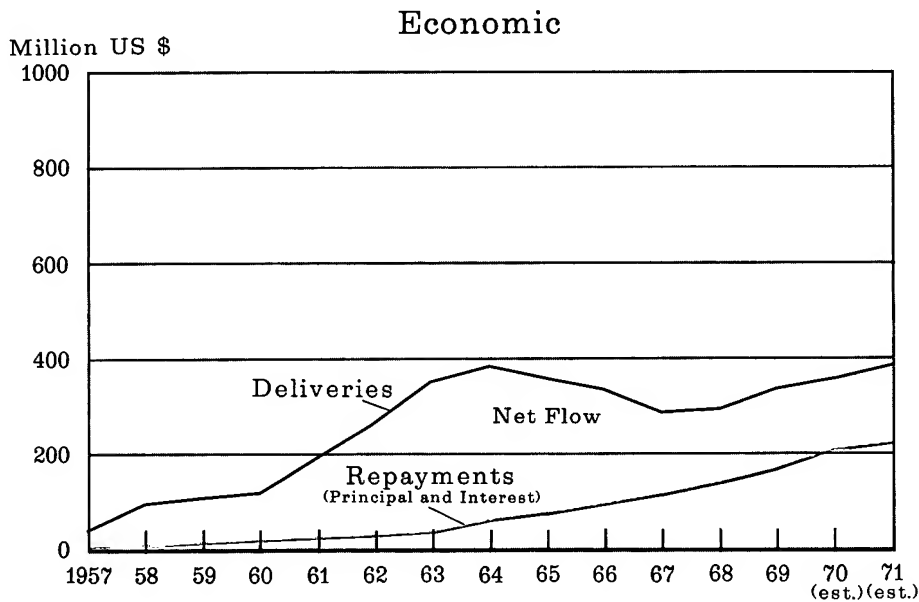
<sup>a</sup> Preliminary.<sup>b</sup> Including grants.<sup>c</sup> Data are for productive resources that have a direct economic impact on the less developed countries.

ALL DATA IN THIS TABLE ARE SECRET/NO FOREIGN DISSEM

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Figure 21

# **Net Flow of Soviet Economic and Military Aid to Less Developed Countries**



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Table 62

Soviet Military Aid Delivered to the Less Developed Countries, by Recipient

Million US \$

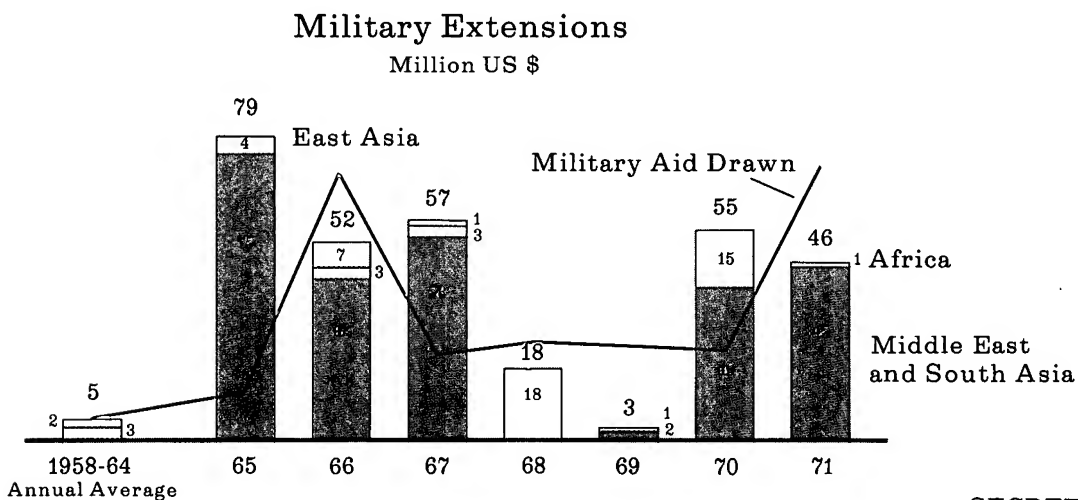
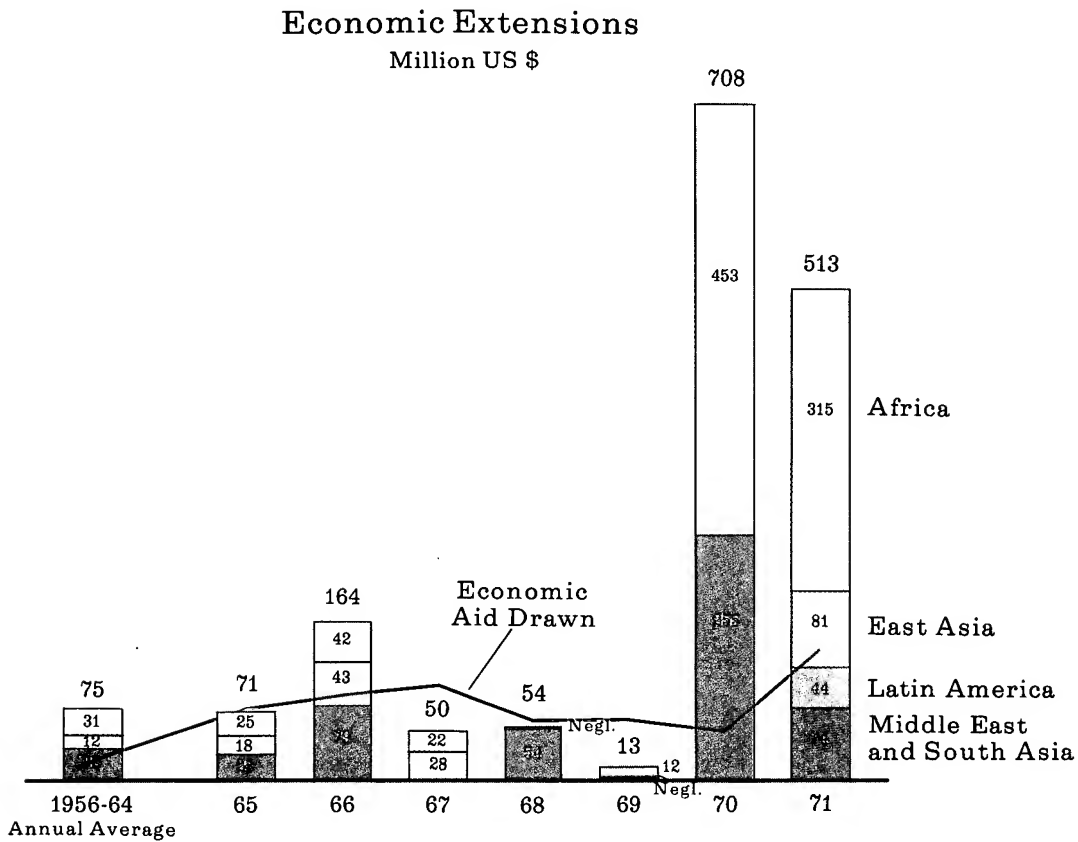
	1956-66	1967	1968	1969	1970	1971	1967-71	1956-71
Total.....	3,472	443	455	408	956	702	2,964	6,436
Africa.....	258	43	32	24	97	69	265	523
Algeria.....	185	40	15	1	20	25	101	286
Burundi.....					Negl.		Negl.	Negl.
Congo.....	1		1			5	6	7
Equatorial Guinea.....					Negl.	Negl.	Negl.	Negl.
Ghana.....	10							10
Guinea.....	8	2				5	7	15
Libya.....					30	30	60	60
Mali.....	4					1	1	5
Morocco.....	12	1					1	13
Nigeria.....			6	3			9	9
Somalia.....	30		4	5	7	1	17	47
Sudan.....			5	15	40	2	62	62
Tanzania.....	2							2
Uganda.....	6		1				1	7
East Asia.....	862	0	4	2	0	Negl.	6	868
Burma.....						Negl.	Negl.	Negl.
Cambodia.....	4		4	2			6	10
Indonesia.....	858							858
Middle East and South Asia.....	2,352	400	419	382	859	633	2,693	5,045
Afghanistan.....	170	25	30	30	20	10	115	285
Ceylon.....						2	2	2
Cyprus.....	18							18
Egypt.....	1,045	170	100	90	640	350	1,350	2,395
India.....	370	50	94	98	57	86	385	755
Iran.....		25	50	60	50	50	235	235
Iraq.....	385	70	100	50	35	30	285	670
Maldives.....					Negl.		Negl.	Negl.
Pakistan.....		2	3	14	1		20	20
Syria.....	305	48	35	35	50	100	268	573
Yemen (Aden).....			2	4	4	5	15	15
Yemen (San'a).....	59	10	5	1	2		18	77

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Figure 22

## Chinese Economic and Military Aid to Less Developed Countries



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Table 63

Chinese Economic Aid Extended to Less Developed Countries, by Recipient

	Million US \$						Total	Percent
	Total for 1956-66	1967	1968	1969	1970	1971		
Total.....	907.7	49.5	54.5	12.7	708.1	512.8	2,245.3	100.0
Africa.....	344.5	21.5	0.5	12.5	452.8	314.6	1,146.4	51.1
Algeria.....	52.0					40.0	92.0	4.1
Central African Republic.....	4.0						4.0	0.2
Chad.....						0.4	0.4	Negl.
Congo.....	25.2					20.0	45.2	2.0
Equatorial Guinea.....						N.A.	N.A.	Negl.
Ethiopia.....						84.0	84.0	3.7
Ghana.....	42.0						42.0	1.9
Guinea.....	57.7		0.3	11.5	10.0		79.5	3.5
Kenya.....	17.9						17.9	0.8
Mali.....	53.0						53.0	2.4
Mauritania.....		4.7				20.5	25.2	1.1
Somalia.....	23.3					109.0	132.3	5.9
Sudan.....					41.6	40.0	81.6	3.6
Tanzania.....	54.4		0.2		200.6	0.7	255.9	11.4
Uganda.....	15.0						15.0	0.7
Zambia.....		16.8		1.0	200.6		218.4	9.7
East Asia.....	166.8	0	0	0	0	80.7	247.5	11.0
Burma.....	27.3					80.7	108.0	4.8
Cambodia.....	92.3						92.3	4.1
Indonesia.....	47.2						47.2	2.1
Latin America.....	0	0	0	0	0	44.0	44.0	2.0
Chile.....						2.0	2.0	0.1
Peru.....						42.0	42.0	1.9
Middle East and South Asia.....	396.4	28.0	54.0	0.2	255.3	73.5	807.4	36.0
Afghanistan.....	28.0						28.0	1.2
Ceylon.....	41.0				12.1	31.7	84.8	3.8
Egypt.....	84.7	21.0					105.7	4.7
Iraq.....						39.2	39.2	1.7
Nepal.....	63.0		2.0			2.6	67.6	3.0
Pakistan.....	105.0	7.0	40.0		200.0		352.0	15.7
Syria.....	16.3						16.3	0.7
Yemen (Aden).....			12.0		43.2		55.2	2.5
Yemen (San'a).....	58.4			0.2			58.6	2.6



## ALL DATA IN THESE TABLES ARE SECRET/NO FOREIGN DISSEM

Table 64

Chinese Military Aid Extended to the Less Developed Countries, by Recipient

Million US \$

	1958-66	1967	1968	1969	1970	1971	1967-71	1958-71
Total.....	168	57	18	3	55	46	179	347
Africa.....	19	1	18	1	15	1	36	55
Algeria.....	12							12
Congo.....	Negl.			1	2		3	3
Guinea.....			1			1	2	2
Mali.....	Negl.					Negl.	Negl.	Negl.
Sierra Leone.....						Negl.	Negl.	Negl.
Tanzania.....	7	1	17		13	N.A.	31	38
East Asia.....	32	3	0	N.A.	0	0	3	35
Cambodia.....	11	3		N.A.			3	14
Indonesia.....	21							21
Middle East and South Asia.....	117	53	0	2	40	45	140	257
Ceylon.....						5	5	5
Pakistan.....	117	53			40	40	133	250
Syria.....				2			2	2

Table 65

Chinese Military Aid Delivered to the Less Developed Countries, by Recipient

Million US \$

	1958-66	1967	1968	1969	1970	1971	1967-71	1958-71
Total.....	119	24	26	25	24	72	171	290
Africa.....	15	0	2	3	3	28	36	51
Algeria.....	12							12
Congo.....					1	2	3	3
Guinea.....			Negl.	Negl.	Negl.	1	1	1
Mali.....						Negl.	Negl.	Negl.
Sierra Leone.....						Negl.	Negl.	Negl.
Tanzania.....	3		2	3	2	25	32	35
East Asia.....	29	0	3	2	0	0	5	34
Cambodia.....	8		3	2			5	13
Indonesia.....	21							21
Middle East and South Asia.....	75	24	21	20	21	44	130	205
Pakistan.....	75	24	21	20	20	43	128	203
Syria.....					1	1	2	2

ALL DATA IN THIS TABLE ARE SECRET/NO FOREIGN DISSEM

Table 66

East European Economic Aid Extended to Less Developed Countries, by Recipient

	Million US \$						Total	Percent
	Total for 1954-66	1967	1968	1969	1970	1971		
Total .....	2,128.4	121.8	200.6	422.0	192.3	432.4	3,497.5	100.0
Africa .....	283.3	38.2	54.7	11.4	89.2	103.0	579.8	16.6
Algeria .....	22.0				74.1		96.1	2.7
Congo .....					5.1		5.1	0.1
Ethiopia .....	17.0						17.0	0.5
Ghana .....	104.1						104.1	3.0
Guinea .....	26.2		3.5				29.7	0.8
Mali .....	22.6						22.6	0.6
Morocco .....	35.2		N.A.				35.2	1.0
Nigeria .....	14.0					28.0	42.0	1.2
Somalia .....	3.4						3.4	0.1
Sudan .....	10.0	37.2		11.4	10.0	75.0	143.6	4.1
Tanzania .....	6.7						6.7	0.2
Tunisia .....	22.1	1.0	51.2				74.3	2.1
East Asia .....	325.1	0	1.0	11.9	0	0	338.0	9.7
Burma .....	27.6		1.0				28.6	0.8
Cambodia .....	5.4			11.9			17.3	0.5
Indonesia .....	292.1						292.1	8.4
Latin America .....	236.3	22.0	15.0	11.4	50.8	164.2	499.7	14.3
Argentina .....	6.7		5.0				11.7	0.3
Bolivia .....					0.8	25.2	26.0	0.7
Brazil .....	223.6	17.0					240.6	6.9
Chile .....			5.0			95.0	100.0	2.9
Colombia .....			5.0			11.0	16.0	0.5
Ecuador .....		5.0		5.0		5.0	15.0	0.4
Peru .....				6.0	25.0	28.0	59.0	1.7
Uruguay .....	6.0			0.4	15.0		21.4	0.6
Venezuela .....					10.0		10.0	0.3
Middle East and South Asia .....	1,283.7	61.6	129.9	387.3	52.3	165.2	2,080.0	59.5
Afghanistan .....	11.0		1.9				12.9	0.4
Ceylon .....	50.0		2.5				52.5	1.5
Egypt .....	519.7	12.6				111.5	643.8	18.4
India .....	316.8	25.0	25.5				367.3	10.5
Iran .....	143.4	10.0	75.0	200.0			428.4	12.2
Iraq .....	20.0	14.0		124.7	42.8	37.4	238.9	6.8
Pakistan .....	56.0			8.0	9.5		73.5	2.1
Syria .....	140.0		25.0	25.0			190.0	5.4
Turkey .....	13.7			5.6			19.3	0.6
Yemen (Aden) .....				24.0		16.3	40.3	1.2
Yemen (San'a) .....	13.1						13.1	0.4

## ALL DATA IN THESE TABLES ARE SECRET/NO FOREIGN DISSEM

Table 67

## East European Military Aid Extended to the Less Developed Countries, by Recipient

Million US \$

	1955-66	1967	1968	1969	1970	1971	1967-71	1955-71
Total.....	565	75	45	86	29	40	275	840
Africa.....	5	20	6	6	0	0	32	37
Algeria.....	1							1
Guinea.....	1							1
Morocco.....		20					20	20
Sudan.....			4	5			9	9
Tanzania.....	1							1
Uganda.....	2		2	1			3	5
East Asia.....	199	0	0	0	0	0	0	199
Indonesia.....	199							199
Middle East and South Asia.....	361	55	39	80	29	40	243	604
Afghanistan.....	20							20
Cyprus.....	1							1
Egypt.....	229	25		37			62	291
India.....	38		7	6	2	40	55	93
Iraq.....		20	32	25			77	77
Syria.....	45	10		12	25		47	92
Yemen (San'a).....	28				2		2	30

Table 68

## East European Military Aid Delivered to the Less Developed Countries, by Recipient

Million US \$

	1955-66	1967	1968	1969	1970	1971	1967-71	1955-71
Total.....	542	21	50	36	66	64	237	779
Africa.....	2	11	12	2	4	1	30	32
Algeria.....	1							1
Guinea.....	1							1
Morocco.....		9	11				20	20
Sudan.....					3	1	4	4
Tanzania.....			1				1	1
Uganda.....		2		2	1		5	5
East Asia.....	189	0	0	0	0	0	0	189
Indonesia.....	189							189
Middle East and South Asia.....	351	10	38	34	62	63	207	558
Afghanistan.....	20							20
Cyprus.....	1							1
Egypt.....	220	5	15	12	30	9	71	291
India.....	37			5	11	40	56	93
Iraq.....		3	20	15	10	5	53	53
Syria.....	45	2	3	2	10	9	26	71
Yemen (San'a).....	28				1		1	29

ALL DATA IN THIS TABLE ARE SECRET/NO FOREIGN DISSEM

Table 69

Communist Major Military Equipment Delivered to Less Developed Countries, by Recipient  
1971

	Land Armaments				Naval Auxiliary Vessels and Landing Craft	Aircraft		Air to Air Guided Missile Systems <sup>c</sup>
	Light Tanks	Medium Tanks	Personnel Carriers <sup>a</sup>	Artillery Pieces		Jet Fighters	Other <sup>b</sup>	
Africa								
Algeria.....						14		14
Congo.....	14	3	10	28			2	
Guinea.....	2	10	4	19		2		
Libya.....		115	210	100				
Mali.....			30					
Sudan.....			35	45				
Tanzania.....	15		22	111	8			
Middle East and South Asia								
Afghanistan.....	15		40					
Ceylon.....			10			5	3	
Egypt.....		80	180	60		87	44	70
India.....		207	230		9 <sup>d</sup>	4	5	
Iran.....			100	300				
Iraq.....		8	33	38		13	2	11
Pakistan.....	55	113		190				
Syria.....		123	20	103 <sup>e</sup>		48	42	27
Yemen (Aden).....		21	56	42		8		

<sup>a</sup> Armored and amphibious.<sup>b</sup> Including nonjet combat aircraft, trainers, transports, and helicopters.<sup>c</sup> Number of fighter aircraft equipped with AAMs (two to four per aircraft).<sup>d</sup> Including eight motor torpedo and missile boats.<sup>e</sup> Including ten self-propelled assault guns.

ALL DATA IN THIS TABLE ARE SECRET/NO FOREIGN DISSEM

Table 70

Communist Major Deliveries of Land Armaments and Naval Ships to Less Developed Countries, by Recipient  
January 1967–December 1971

	Land Armaments					
	Medium Tanks	Light Tanks	Self- Propelled Assault Guns	Personnel Carriers <sup>a</sup>	Artillery Pieces	Naval Ships
Africa						
Algeria.....	39	.....	1	133	6	14 <sup>b</sup>
Congo.....	3	14	.....	10	28	4 <sup>c</sup>
Guinea.....	10	16	.....	4	19	3 <sup>c</sup>
Libya.....	245	.....	24	310	190	.....
Morocco.....	79	.....	3	80	.....	.....
Nigeria.....	.....	.....	.....	30	90	3 <sup>c</sup>
Somalia.....	71	.....	.....	30	84	2 <sup>c</sup>
Sudan.....	102	.....	.....	207	95	.....
Tanzania.....	25	14	.....	22	127	15 <sup>c</sup>
Uganda.....	.....	.....	.....	36	24	.....
East Asia						
Cambodia.....	.....	.....	.....	15	37	.....
Near East and South Asia						
Afghanistan.....	100	.....	.....	160	97	.....
Ceylon.....	.....	.....	.....	10	.....	.....
Egypt.....	730	12	7	615	685	31 <sup>d</sup>
India.....	269	.....	.....	330	42	24 <sup>e</sup>
Iran.....	.....	.....	.....	620	494	.....
Iraq.....	258	.....	30	533	273	2 <sup>f</sup>
Pakistan.....	310	55	.....	.....	190	.....
Syria.....	528	23	60	150	528	.....
Yemen (Aden).....	63	.....	.....	62	92	.....

<sup>a</sup> Armored and amphibious.<sup>b</sup> Including two minesweepers, three submarine chasers, and nine motor torpedo and missile boats.<sup>c</sup> Auxiliary vessels and landing craft.<sup>d</sup> Including two destroyers and one submarine received in exchange for older models returned to the USSR, seven minesweepers, nine motor torpedo and missile boats, and 12 auxiliary vessels and landing craft.<sup>e</sup> Including four submarines, five submarine chasers, eight motor torpedo and missile boats, and seven auxiliary vessels and landing craft.<sup>f</sup> Minesweepers.

ALL DATA IN THIS TABLE ARE SECRET/NO FOREIGN DISSEM

## ALL DATA IN THESE TABLES ARE SECRET/NO FOREIGN DISSEM

Table 71

Communist Major Deliveries of Aircraft and Guided Missile Systems to Less Developed Countries, by Recipient  
January 1967–December 1971

	Aircraft				Guided Missile Systems <sup>a</sup>		
	Light Jet Bombers	Jet Fighters	Heavy Transports	Other <sup>b</sup>	Air-to-Air <sup>c</sup>	Surface-to-Air <sup>d</sup>	Surface-to-Surface <sup>e</sup>
<b>Africa</b>							
Algeria.....	7	49	.....	14	16	<sup>f</sup>	3
Congo.....			2	2			
Guinea.....		2	.....	4			
Nigeria.....		33	.....	13			
Somalia.....		14	.....				
Sudan.....		24	.....	16	24	1	
Uganda.....		5	.....	15			
<b>East Asia</b>							
Cambodia.....				1			
<b>Middle East and South Asia</b>							
Afghanistan.....		41	1	2	18	1	
Ceylon.....		5	.....	3			
Egypt.....	50 <sup>g</sup>	418	3	234	147	100	3
India.....		148 <sup>h</sup>	.....	45			
Iraq.....		143	3	74	63		
Pakistan.....		30	.....	10			
Syria.....		226	.....	62	95	10	
Yemen (Aden).....		18	.....				
Yemen (San'a).....	6	30	.....				

<sup>a</sup> Data reflect numbers of aircraft, ships, and sites having missile capability.

<sup>b</sup> Including nonjet combat aircraft, trainers, transports, and helicopters.

<sup>c</sup> Number of fighter aircraft equipped with AAM's (two to four per aircraft).

<sup>d</sup> Number of SAM firing battalions, or sites (four to six launchers per site).

<sup>e</sup> Ship launched. These data constitute the number of Komar- and Osa-class ships equipped with SSM's (two to four per ship).

<sup>f</sup> An undetermined number of SAM's have been received.

<sup>g</sup> Including 24 medium jet bombers.

<sup>h</sup> Excluding those fighters assembled at the aeronautics plant in Nasik.

Table 72

Academic, Technical, and Military Trainees <sup>a</sup> Departing from Less Developed Countries for Training in Communist Countries, by Area of Destination

	1965	1966	1967	1968	1969	1970	1971
<b>Total trainees.....</b>	<b>8,080</b>	<b>6,110</b>	<b>5,450</b>	<b>6,505</b>	<b>7,095</b>	<b>7,845</b>	<b>8,140</b>
USSR and Eastern Europe.....	7,950	5,920	5,335	6,500	7,080	7,535	7,670
China.....	130	190	115	5	15	310	470
<b>Academic trainees.....</b>	<b>3,785</b>	<b>3,355</b>	<b>3,000</b>	<b>3,535</b>	<b>3,995</b>	<b>3,645</b>	<b>4,100</b>
USSR and Eastern Europe.....	3,725	3,355	3,000	3,535	3,995	3,645	4,100
China.....	60	0	0	0	0	0	0
<b>Technical trainees.....</b>	<b>1,575</b>	<b>1,205</b>	<b>1,245</b>	<b>1,455</b>	<b>1,880</b>	<b>1,650</b>	<b>2,835</b>
USSR and Eastern Europe.....	1,540	1,125	1,220	1,450	1,880	1,650	2,835
China.....	35	80	25	5	0	0	0
<b>Military trainees.....</b>	<b>2,720</b>	<b>1,550</b>	<b>1,205</b>	<b>1,515</b>	<b>1,220</b>	<b>2,550</b>	<b>1,205</b>
USSR and Eastern Europe.....	2,685	1,440	1,115	1,515	1,205	2,240	735
China.....	35	110	90	0	15	310	470

<sup>a</sup> Rounded to the nearest five persons. Data are for persons departing for training and not necessarily those completing training.

ALL DATA IN THIS TABLE ARE SECRET/NO FOREIGN DISSEM

Table 73

Military Personnel from Less Developed Countries Trained in Communist Countries <sup>a</sup>

## Departures to Communist Countries

	1970				1971				Being Trained, December 1971			
	Total	USSR	Eastern Europe	China	Total	USSR	Eastern Europe	China	Total	USSR	Eastern Europe	China
Total.....	4,050	3,700	40	310	1,205	660	75	470	3,275	2,540	140	595
Africa.....	845	515	20	310	635	95	70	470	1,410	725	90	595
Algeria.....	30	30	.....	.....	.....	.....	.....	.....	200	200	.....	.....
Congo.....	265	95	.....	170	90	15	.....	75	285	110	.....	175
Mali.....	55	55	.....	.....	.....	.....	.....	.....	30	30	.....	.....
Nigeria.....	10	10	.....	.....	20	20	.....	.....	45	45	.....	.....
Somalia.....	300	300	.....	.....	130	60	70	.....	330	260	70	.....
Sudan.....	30	10	20	.....	.....	.....	.....	.....	100	80	20	.....
Tanzania.....	140	.....	.....	140	395	.....	.....	395	420	.....	.....	420
Uganda.....	15	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Middle East and South Asia.....	3,205	3,185	20	0	570	565	5	0	1,865	1,815	50	0
Afghanistan.....	250	250	.....	.....	150	150	.....	.....	405	400	5	.....
Egypt.....	2,500	2,500	.....	.....	300	300	.....	.....	450	450	.....	.....
India.....	150	150	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Iran.....	110	110	.....	.....	.....	.....	.....	.....	40	40	.....	.....
Iraq.....	150	150	.....	.....	45	40	5	.....	265	230	35	.....
Syria.....	25	25	.....	.....	50	50	.....	.....	190	190	.....	.....
Yemen (Aden).....	20	.....	20	.....	25	25	.....	.....	115	105	10	.....
Yemen (San'a).....	.....	.....	.....	.....	.....	.....	.....	.....	400	400	.....	.....

<sup>a</sup> Rounded to the nearest five persons. Data refer to the number of persons departing for or in training but not necessarily completing training.

ALL DATA IN THIS TABLE ARE SECRET/NO FOREIGN DISSEM

ALL DATA IN THIS TABLE ARE SECRET/NO FOREIGN DISSEM

Table 74

Communist Economic and Military Technicians<sup>a</sup> in Less Developed Countries, by Country, 1971

	Economic				Military		
	Total	USSR	Eastern Europe	China	Total	USSR and Eastern Europe	China
Total.....	35,500	11,285	5,515	18,700	10,260	9,450	810
Africa.....	24,955	4,310	3,405	17,240	2,815	2,045	770
Algeria.....	3,245	2,145 <sup>b</sup>	900	200	1,000	1,000	.....
Congo.....	460	205	30	225 <sup>c</sup>	45	15	30
Ethiopia.....	155	75	80	.....	.....	.....	.....
Ghana.....	105	25	80	.....	.....	.....	.....
Guinea.....	1,350	600	200	550 <sup>d</sup>	80	80	.....
Kenya.....	130	15	115	.....	.....	.....	.....
Libya.....	750	10	740	.....	20	20	.....
Mali.....	710	250	50	410 <sup>e</sup>	15	10	5
Mauritania.....	305	15	.....	290	.....	.....	.....
Morocco.....	440	225	215	.....	20	20	.....
Nigeria.....	275	125	150	.....	70	70	.....
Somalia.....	240	150	5	85	300	300	.....
Sudan.....	230	70	60	100	500	500	.....
Tanzania.....	14,925	125	100	14,700 <sup>c</sup>	745	10	735
Tunisia.....	665	45	620	.....	.....	.....	.....
Zambia.....	715	70	10	635	.....	.....	.....
Other.....	255	160	50	45 <sup>f</sup>	20	20	.....
East Asia.....	240	170	70	0	0	0	0
Burma.....	65	25	40 <sup>g</sup>	.....	.....	.....	.....
Cambodia.....	130	120	10	.....	.....	.....	.....
Indonesia.....	40	25	15	.....	.....	.....	.....
Thailand.....	5	.....	5	.....	.....	.....	.....
Latin America.....	215	60	155	0	0	0	0
Brazil.....	110	5	105	.....	.....	.....	.....
Chile.....	40	35	5	.....	.....	.....	.....
Other.....	65	20	45	.....	.....	.....	.....
Middle East and South Asia.....	10,090	6,745	1,885	1,460	7,445	7,405	40
Afghanistan.....	1,255	1,015	100	140	160	160	.....
Ceylon.....	295	55	90	150	85	85	.....
Egypt.....	1,125	600 <sup>h</sup>	510	15	5,500	5,500 <sup>i</sup>	.....
Greece.....	135	135 <sup>j</sup>	.....	.....	.....	.....	.....
India.....	1,210	850	360	.....	150	150	.....
Iran.....	1,850	1,600	250	.....	30	30	.....
Iraq.....	815	630	185	.....	400	400	.....
Kuwait.....	35	15	20	.....	.....	.....	.....
Lebanon.....	25	.....	25	.....	.....	.....	.....
Nepal.....	575	80	.....	495	.....	.....	.....
Pakistan.....	475	400	25	50	25	.....	25
Syria.....	1,130	910	160	60	800	800	.....
Turkey.....	185	175	10	.....	.....	.....	.....
Yemen (Aden).....	645	200	40	405 <sup>f</sup>	195	180	15
Yemen (San'a).....	335	80	110	145	100	100	.....

<sup>a</sup> Rounded to the nearest five persons. Data are minimum estimates of the number of persons present for a period of one month or more. Persons engaged solely in commercial activities are excluded.

<sup>b</sup> Including 15 Cubans.

<sup>c</sup> Including ten North Koreans.

<sup>d</sup> Including 20 North Koreans.

<sup>e</sup> Including ten North Vietnamese and five North Koreans.

<sup>f</sup> Including five North Koreans.

<sup>g</sup> The 40 East Germans at the East German-built Wazi mint and currency plant left Burma in March 1971.

<sup>h</sup> Of the 100 Soviets believed to have been working on the Aswan Dam at the end of 1970, 55 left Egypt in February 1971. At least 15 of the remaining 45 Soviet technicians will stay on through the warranty period (1975).

<sup>i</sup> Excluding an estimated 7,250 Soviet military personnel assigned to Soviet operational units in Egypt as of December 1971.

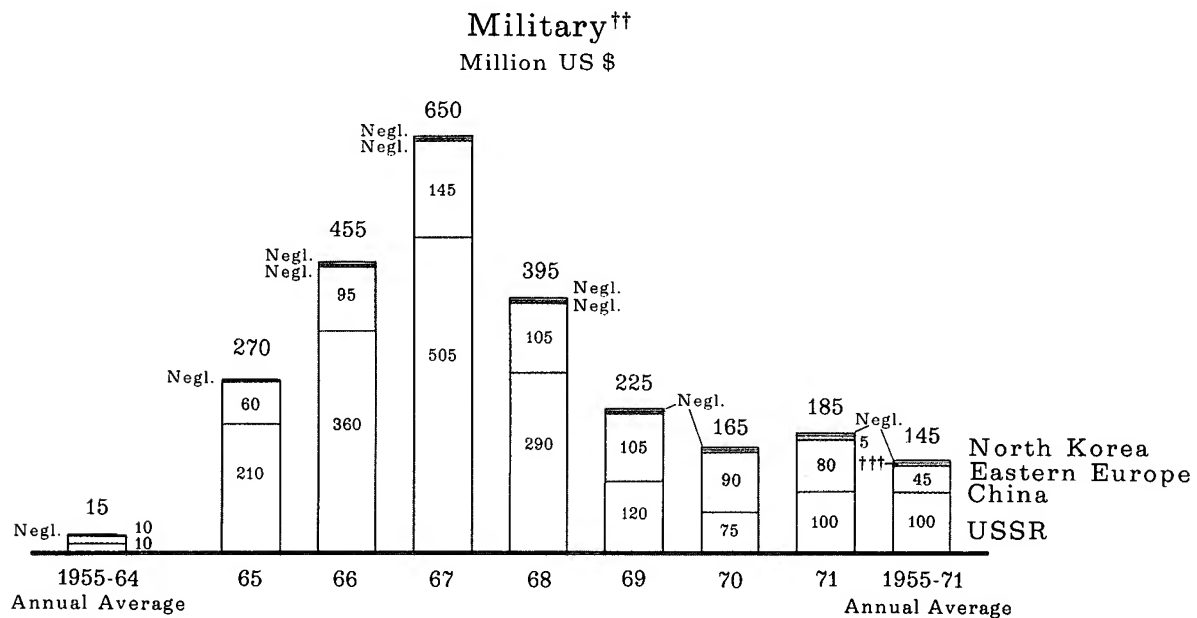
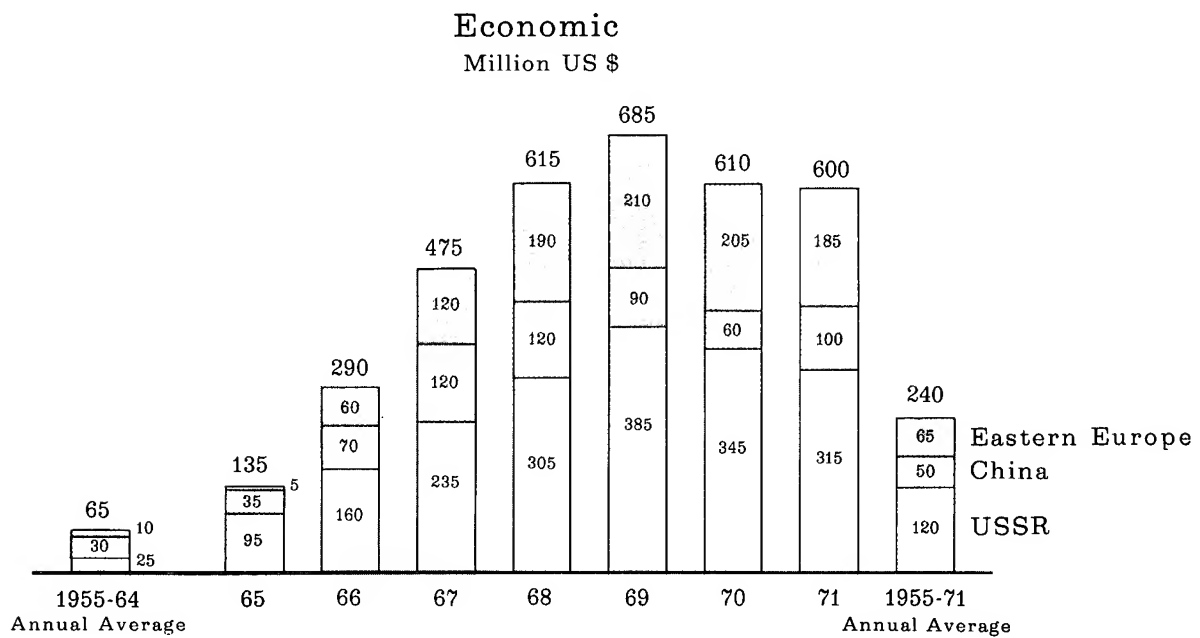
<sup>j</sup> Soviet technicians have been in Greece constructing a thermal powerplant under a commercial contract concluded in 1969.



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Figure 23

# **Communist Economic and Military Aid Delivered to North Vietnam†**



† Data are expressed in Soviet foreign trade prices.

†† Data refer exclusively to combat materials; excluding aid designed for war-support purposes.

††† Including cumulative value of deliveries from Eastern Europe during 1954-70 estimated at \$5 million.

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**SECRET**  
No Foreign Dissem

ALL DATA IN THIS TABLE ARE SECRET/NO FOREIGN DISSEM

Table 75

Soviet Military Aid Delivered <sup>a</sup> to North Vietnam

	1968		1969		1970		1971	
	Quantity (Units)	Soviet Foreign Trade Prices (Million US \$)	Quantity (Units)	Soviet Foreign Trade Prices (Million US \$)	Quantity (Units)	Soviet Foreign Trade Prices (Million US \$)	Quantity (Units)	Soviet Foreign Trade Prices (Million US \$)
Total value.....		<b>290</b>		<b>120</b>		<b>75</b>		<b>100</b>
SAM missile systems.....		<b>78</b>		<b>6</b>		<b>3</b>		<b>46</b>
Firing battalions <sup>b</sup> .....	10	44					10	44
Replacement missiles <sup>c</sup> .....	1,135	34	200	6	100	3	55	2
Aircraft.....		<b>24</b>		<b>51</b>		<b>3</b>		<b>0</b>
MIG-21 jet fighters.....	23	21	55	50				
MI-4 helicopters.....	3	1						
AN-24 medium transports.....			1	1	2	2		
IL-18 heavy transports.....	1	2						
L-29 trainers.....					4	1		
Naval craft.....		<b>Negl.</b>		<b>Negl.</b>		<b>0</b>		<b>0</b>
Poluchat-1-class motor gunboats.....	2	<i>Negl.</i>						
Armed cargo carriers.....			10	<i>Negl.</i>				
LCU landing craft.....			5	<i>Negl.</i>				
Armor.....		<b>Negl.</b>		<b>2</b>		<b>6</b>		<b>10</b>
T-54 medium tanks.....					45	5	85	9
PT-76 amphibious tanks.....			40	2	20	1	21	1
BTR-40 armored personnel carriers.....			14	<i>Negl.</i>				
JSU-122 assault guns.....			3	<i>Negl.</i>				
Artillery.....		<b>6</b>		<b>7</b>		<b>3</b>		<b>2</b>
85-mm antiaircraft artillery.....	20	1			10	<i>Negl.</i>	5	<i>Negl.</i>
57-mm antiaircraft artillery.....	55	2	65	2	40	1	20	1
37-mm antiaircraft artillery.....	95	1	350	3	120	1	140	1
14.5-mm antiaircraft artillery.....	40	<i>Negl.</i>	135	1			23	<i>Negl.</i>
Field artillery (75-mm to 152-mm).....	135	2	40	1	30	1	15	<i>Negl.</i>
Radar.....	120	12	35	4	21	3	3	<b>Negl.</b>
Trucks and other vehicles.....	430	2	1,200	6	1,430	7	1,100	5
Small arms and other infantry weapons.....		<b>2</b>		<b>6</b>		<b>3</b>		<b>2</b>
Ammunition (metric tons).....	40,000	164	9,000	37	12,000	49	8,000	34

<sup>a</sup> Data refer exclusively to combat materiel, excluding aid designed for war-support purposes.<sup>b</sup> Price per firing battalion includes an allowance for replacement parts and initial complement of missiles.<sup>c</sup> Data based on the estimated number of missiles fired with some provision for stockpiling.

ALL DATA IN THIS TABLE ARE SECRET/NO FOREIGN DISSEM

Table 76

Chinese Military Aid Delivered <sup>a</sup> to North Vietnam

	1968		1969		1970		1971	
	Quantity (Units)	Soviet Foreign Trade Prices (Million US \$)	Quantity (Units)	Soviet Foreign Trade Prices (Million US \$)	Quantity (Units)	Soviet Foreign Trade Prices (Million US \$)	Quantity (Units)	Soviet Foreign Trade Prices (Million US \$)
Total value. ....		105		105		90		80
Aircraft .....		0		11		0		0
MIG-19 jet fighters .....			32	11				
Naval craft. ....		1		0		0	8	8
Shanghai class-2 motor gunboat.....	1	1						
Armor .....		5		0		4		2
Artillery.....		3		5		3		8
57-mm antiaircraft artillery.....	30	1	35	1	40	1	30	1
37-mm antiaircraft artillery.....	45	<i>Negl.</i>	210	2	110	1	120	1
14.5-mm antiaircraft artillery .....	25	<i>Negl.</i>	120	1	40	<i>Negl.</i>	62	1
Field artillery (76-mm).....	80	1	110	1	45	1	212	5
Radar.....	50	5	22	2	13	2		0
Trucks and other vehicles .....	400	2	300	1	1,200	6	980	4
Small arms and other infantry weapons.....		29		47		23		19
Ammunition (metric tons).....	15,000	62	9,000	37	13,000	53	9,000	37

<sup>a</sup> Data refer exclusively to combat materiel, excluding aid designed for war-support purposes.

ALL DATA IN THIS TABLE ARE SECRET/NO FOREIGN DISSEM

ALL DATA IN THIS TABLE ARE SECRET/NO FOREIGN DISSEM

Table 77

## Soviet Economic Aid Extended to Communist Countries, by Recipient

Million US \$

	1954-64 <sup>a</sup>	1965	1966	1967	1968	1969	1970	1971	1965-71	1954-71
Total.....	5,039.2	544.0	693.0	692.0	1,305.0	1,398.0	740.0	2,172.1	7,544.1	12,583.3
Eastern Europe.....	2,917.9	28.0	0	10.0	500.0	591.0	Negl.	1,111.1	2,240.1	5,158.0
Bulgaria.....	1,103.6				333.3	591.0			924.3	2,027.9
Czechoslovakia.....	13.5									13.5
East Germany.....	990.0									990.0
Hungary.....	338.0			10.0	166.7				176.7	514.7
Poland.....	377.8							1,111.1	1,111.1	1,488.9
Romania.....	95.0	28.0					Negl.		28.0	123.0
Far East.....	981.4	85.0	150.0	200.0	270.0	325.0	431.0	415.0	1,876.0	2,857.4
China.....	495.0									495.0
North Korea.....	117.5				30.0	75.0	86.0	100.0	291.0	408.5
North Vietnam.....	368.9	85.0	150.0	200.0	240.0	250.0	345.0	315.0	1,585.0	1,953.9
Other.....	1,139.9	431.0	543.0	482.0	535.0	482.0	309.0	646.0	3,428.0	4,567.9
Albania.....	65.4									65.4
Cuba.....	936.0	391.0	413.0	482.0	535.0	482.0	309.0	506.0	3,118.0	4,054.0
Yugoslavia.....	138.5	40.0	130.0					140.0	310.0	448.5

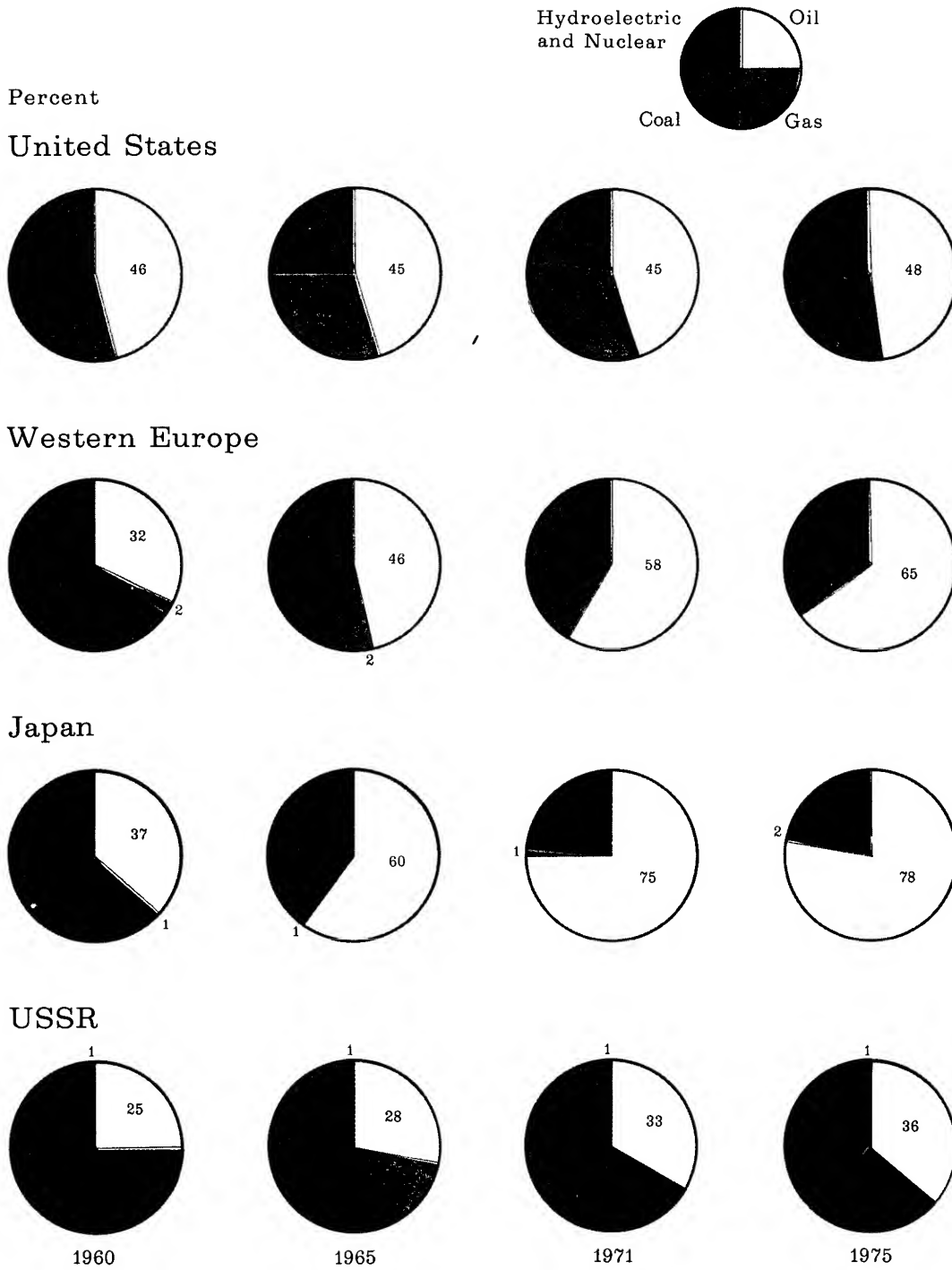
<sup>a</sup> Excluding data for Eastern Europe prior to 1956 because war reparations and other assets and privileged arrangements obtained by the USSR from these countries created a heavy net flow of capital toward the USSR during these years.

ALL DATA IN THIS TABLE ARE SECRET/NO FOREIGN DISSEM

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Figure 24

# Primary Energy Consumption



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Table 78

Production of Primary Energy <sup>a</sup>  
 Million Metric Tons of Coal Equivalents

	1960	1965	1970	1971
<b>NATO COUNTRIES <sup>b</sup></b>	<b>2,130</b>	<b>2,510</b>	<b>3,030</b>	<b>3,070</b>
United States	1,429.3	1,718.6	2,145.1	2,129.4
Canada	120.1	183.8	275.3	296.0
Norway	17.4	27.3	32.0	34.7
United Kingdom	199.8	202.1	179.3	193.1
<b>EUROPEAN COMMUNITY</b>	<b>351</b>	<b>359</b>	<b>379</b>	<b>390</b>
Belgium <sup>c</sup>	22.6	20.5	12.0	11.7
France	86.2	90.0	85.4	82.5
Italy	37.7	41.2	50.5	52.7
Netherlands	15.5	16.9	49.0	61.7
West Germany	188.7	190.5	182.1	181.5
<b>COMMUNIST COUNTRIES</b>				
USSR and Eastern Europe	<b>937*</b>	<b>1,270</b>	<b>1,620</b>	<b>1,680*</b>
USSR	662.7	942.5	1,236.6	1,290.9*
Eastern Europe	<b>275*</b>	<b>329</b>	<b>382</b>	<b>390*</b>
Bulgaria	7.7	9.4	10.2	9.3*
Czechoslovakia	50.9	61.9	66.6	68.2*
East Germany	73.6*	81.4	85.1	84.3*
Hungary	14.8	18.3	20.6	20.3*
Poland	93.5	110.9	137.4	142.9*
Romania	34.2	46.8	62.2	65.4*
Far East				
China	207.7	205.2	286.0	315.0
North Korea	14.1	21.6	28.1	28.8
North Vietnam	2.4*	3.7*	2.7*	3.4*
Other				
Albania	1.1	1.4*	2.4*	2.6*
Yugoslavia	15.5	21.3	24.1	26.3

\*An asterisk indicates that the data are classified.

<sup>a</sup> Data are for coal, crude oil, natural gas, and hydroelectric power expressed in terms of coal equivalents (calorific value of 7,000 kilocalories per kilogram), and exclude minor fuels such as peat, shale, and fuelwood.

<sup>b</sup> The following coefficients were used to convert the sources of primary energy into hard coal equivalents: coal (metric tons), 1.0; brown coal and lignite (metric tons), 0.29; crude oil (metric tons), 1.3; crude natural gasoline (metric tons), 1.5; natural gas (1,000 cubic meters), 1.33; and hydroelectricity (1,000 kilowatt-hours), 0.55. Production of geothermal and nuclear electric power is included at the same ratio as hydroelectricity.

<sup>c</sup> Including data for Luxembourg.

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Table 79

Production of Hard Coal <sup>a</sup>

Million Metric Tons

	1960	1965	1970	1971
<b>NATO COUNTRIES</b> .....	<b>836</b>	<b>898</b>	<b>877</b>	<b>829</b>
United States.....	391.5	475.3	550.4	500.4
Belgium.....	22.5	19.8	11.4	11.0
Canada.....	8.0	8.6	11.6	14.6
France.....	56.0	51.4	37.4	33.0
Netherlands <sup>b</sup> .....	12.5	11.4	4.3	3.6
United Kingdom <sup>c</sup> .....	196.7	190.5	144.6	149.9
West Germany <sup>b</sup> .....	143.3	135.5	111.4	110.8
<b>OTHER COUNTRIES</b>				
Australia.....	21.9	30.1	45.6	45.1
India.....	52.6	67.2	73.1	68.5
Japan.....	51.1	49.5	39.7	33.4
South Africa.....	38.2	48.5	54.6	58.8
South Korea.....	5.4	10.2	12.4	12.7
Spain.....	13.8	12.9	10.8	10.5
<b>COMMUNIST COUNTRIES</b>				
USSR and Eastern Europe.....	<b>496</b>	<b>556</b>	<b>613</b>	<b>624</b>
USSR <sup>d</sup> .....	355.9	397.6	432.7	439.0
Eastern Europe.....	140	158	180	185
Bulgaria.....	0.6	0.6	0.4	0.4
Czechoslovakia.....	26.2	27.6	28.0	28.7
East Germany.....	2.7	2.2	1.0	0.5
Hungary.....	2.8	4.4	4.2	3.9
Poland.....	104.4	118.8	140.1	145.5
Romania.....	3.4	4.7	6.4	6.4
Far East				
China <sup>e</sup> .....	280.0	220.0	300.0	325.0
North Korea.....	6.8	12.8	21.8	23.0
North Vietnam.....	2.6	4.0*	2.9*	3.6*
Other				
Yugoslavia.....	1.3	1.2	0.6	0.7

\* An asterisk indicates that the data are classified.

<sup>a</sup> Unless otherwise indicated, data are for anthracite and bituminous coal.<sup>b</sup> Including low-quality coal at its hard-coal equivalent.<sup>c</sup> Excluding data for Northern Ireland.<sup>d</sup> Net output.<sup>e</sup> Including a negligible amount of brown coal.

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Table 80

## Production of Brown Coal and Lignite

Million Metric Tons

	1960	1965	1970	1971
<b>NATO COUNTRIES.....</b>	<b>111</b>	<b>121</b>	<b>134</b>	<b>134</b>
United States.....	2.5	2.8	5.4	6.5
Canada.....	2.0	1.9	3.5	3.0
France.....	2.3	2.7	2.8	2.8
Greece.....	2.5	5.1	7.7	10.9
Italy.....	0.8	1.0	1.4	1.3
Turkey.....	1.9	3.1	4.5	4.4
West Germany.....	96.2	101.9	107.8	104.5
<b>OTHER COUNTRIES</b>				
Australia.....	15.2	21.0	24.2	23.4
Austria.....	6.0	5.4	3.7	3.8
India.....	<i>Negl.</i>	2.3	3.5	3.7
New Zealand.....	2.2	2.0	1.9	1.8
Spain.....	1.8	2.8	2.8	3.0
<b>COMMUNIST COUNTRIES</b>				
<b>USSR and Eastern Europe.....</b>	<b>469</b>	<b>550</b>	<b>586</b>	<b>592</b>
USSR <sup>a</sup> .....	134.2	147.4	144.7	153.0
Eastern Europe.....	<b>335</b>	<b>403</b>	<b>441</b>	<b>440</b>
Bulgaria.....	15.4	24.5	28.8	27.0
Czechoslovakia.....	57.9	72.3	81.3	83.7
East Germany.....	225.5	250.8	260.6	256.5
Hungary.....	23.7	27.1	23.7	23.5
Poland.....	9.3	22.6	32.8	34.5
Romania.....	3.4	5.6	14.1	14.3
<b>Far East <sup>b</sup></b>				
North Korea <sup>c</sup> .....	3.5	5.0	5.7	6.0
<b>Other</b>				
Albania.....	0.3	0.3	0.6*	0.7*
Yugoslavia.....	21.4	28.8	27.8	30.0

\* An asterisk indicates that the data are classified.

<sup>a</sup> Net output.<sup>b</sup> Negligible production for China.<sup>c</sup> Including unknown amounts of hard coal.



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Table 81

Production of Metallurgical Coke <sup>a</sup>

Thousand Metric Tons

	1960	1965	1970	1971
NATO COUNTRIES <sup>b</sup> . . . . .	149,000	157,000	154,000	139,000
United States . . . . .	51,917	60,649	60,350	52,067
Canada <sup>c</sup> . . . . .	3,514	3,963	5,143	4,631
United Kingdom . . . . .	19,136	17,381	16,590	15,600
EUROPEAN COMMUNITY . . . . .	74,100	74,100	70,200	65,600
Belgium . . . . .	7,540	7,334	7,116	6,744
France <sup>c</sup> . . . . .	13,635	13,409	14,148	12,504
Italy . . . . .	3,715	5,737	7,044	6,948
Netherlands <sup>c</sup> . . . . .	4,517	4,285	1,992	1,896
West Germany <sup>d</sup> . . . . .	44,681	43,294	39,936	37,536
COMMUNIST COUNTRIES				
USSR and Eastern Europe . . . . .	73,100	86,900	96,600	101,000
USSR . . . . .	56,233	67,500	75,400	78,300
Eastern Europe . . . . .	16,900	19,400	21,200	22,500
Bulgaria . . . . .	20 <sup>e</sup>	733	837	1,091
Czechoslovakia . . . . .	6,842	7,875	8,269	8,600
East Germany . . . . .	1,008	1,051	1,308	1,759
Hungary <sup>f</sup> . . . . .	499	642	657	625
Poland . . . . .	7,684	7,994	9,100	9,350
Romania . . . . .	820	1,135	1,070	1,100
Far East				
China . . . . .	10,600*	9,400*	14,600*	18,000*
North Vietnam . . . . .	N.A.	100*	60*	100*
Other				
Yugoslavia . . . . .	1,083	1,267	1,308	1,297

\* An asterisk indicates that the data are classified.

<sup>a</sup> Unless otherwise indicated, data are for oven and beehive coke and exclude breeze coke.<sup>b</sup> Net production, excluding coke consumed by coking plants.<sup>c</sup> Including breeze coke.<sup>d</sup> Including electrode coke but excluding low-temperature coke.<sup>e</sup> Data include foundry coke, not suitable for blast furnaces.<sup>f</sup> A large part of this coke is produced in gas plants and is used with high-quality coke in charging blast furnaces.

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Table 82  
Production of Crude Oil <sup>a</sup>

	Thousand Metric Tons			
	1960	1965	1970	1971
NATO COUNTRIES <sup>b</sup>	<b>386,000</b>	<b>441,000</b>	<b>554,000</b>	<b>552,000</b>
United States	347,975	384,946	475,344	470,071
Canada	25,630	39,457	62,256	66,400
West Germany	5,530	7,884	7,536	7,420
OTHER COUNTRIES				
Abu Dhabi	N.A.	13,701	33,720	44,770
Algeria	8,632	26,025	47,280	N.A.
Indonesia	20,596	23,920	42,084	44,320
Iran	52,392	94,126	191,736	226,690
Iraq	47,467	64,474	76,452	82,800
Kuwait	81,867	109,045	137,400	146,340
Libya	N.A.	58,378	161,712	133,540
Nigeria	850	13,538	54,204	74,640
Saudi Arabia	62,068	101,033	176,844	221,210
Venezuela	149,372	182,409	193,872	185,772
COMMUNIST COUNTRIES				
USSR and Eastern Europe	<b>161,000</b>	<b>258,000</b>	<b>369,000*</b>	<b>394,000*</b>
USSR <sup>c</sup>	147,859	242,888	352,574	377,000
Eastern Europe	<b>13,200</b>	<b>15,200</b>	<b>16,400*</b>	<b>16,800*</b>
Bulgaria	200	229	334	305
Czechoslovakia	137	192	203	200
East Germany	Negl.	60	150*	150*
Hungary	1,217	1,803	1,937	1,955
Poland	194	339	424	395
Romania	11,500	12,571	13,377	13,793
Far East				
China <sup>b d</sup>	4,600	8,000	18,000	23,000
Other				
Albania	728	820	1,480*	1,600*
Cuba	25	57	160	N.A.
Yugoslavia	944	2,063	2,854	2,961

\*An asterisk indicates that the data are classified.

<sup>a</sup> Unless otherwise indicated, data are for crude oil and exclude shale oil, natural gasoline, and synthetic crude oil.

<sup>b</sup> Including shale oil.

<sup>c</sup> Including natural gas liquids.

<sup>d</sup> Including small quantities of synthetic crude oil.

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Table 83  
Production of Petroleum Products <sup>a</sup>

	Million Metric Tons			
	1960	1965	1970	1971
NATO COUNTRIES.....	547	766	1,100	1,120
United States.....	356.8	420.3	523.3	540.5
Canada.....	35.6	44.0	60.9	67.0
United Kingdom.....	40.9	60.9	94.7	98.3
EUROPE COMMUNITY.....	110	227	388	386
Belgium.....	6.6	14.8	27.3	26.8
France.....	29.8 <sup>b</sup>	56.8	95.0	101.4
Italy.....	29.0	65.2	108.8	110.9
Netherlands.....	18.5	29.1	58.6	57.5
West Germany.....	26.2	60.9	98.4	89.6
COMMUNIST COUNTRIES <sup>c</sup>				
USSR and Eastern Europe.....	134*	206*	305*	324*
USSR.....	113.9*	173.6*	252.2*	266.0*
Eastern Europe.....	19.9*	32.9*	52.6*	57.6*
Bulgaria.....	0.1*	2.2	5.8	7.1*
Czechoslovakia.....	2.6*	5.8*	9.2*	9.9*
East Germany.....	3.1*	6.0*	10.8	11.5*
Hungary.....	2.5	3.9	5.8	6.4*
Poland.....	0.8	3.4	6.8	7.6*
Romania.....	10.8	11.6	14.2	15.1*
Far East				
China.....	4.7*	7.2*	16.3*	20.3*
Other				
Albania.....	0.3*	0.5*	0.9*	1.0*
Cuba.....	3.1	3.7	4.3	4.3
Yugoslavia.....	1.3	2.9	6.5	7.7*

\* An asterisk indicates that the data are classified.

<sup>a</sup> Unless otherwise indicated, data are for the following products, where they are produced: gasoline, kerosine, distillate fuel oil, lubricating oil, residual and other petroleum products, natural gasoline, and liquefied petroleum gases. Data exclude some minor miscellaneous products such as white spirits and asphalt.

<sup>b</sup> Including data for Algeria.

<sup>c</sup> Data include products from indigenous and imported natural crude oil and from synthetic sources. Synthetic production is not included in production for the USSR.

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Table 84

Production of Natural Gas <sup>a</sup>

Million Cubic Meters

	1960	1965	1970	1971
<b>NATO COUNTRIES <sup>b</sup></b>	<b>384,000</b>	<b>513,000</b>	<b>768,000</b>	<b>808,000</b>
United States <sup>c</sup>	359,673	454,198	620,340	636,588
Canada	14,521	40,925	71,792	77,557
France	2,846	5,048	6,876	7,149
Italy	6,447	7,802	13,164	13,300
Netherlands	330	1,743	31,668	42,000
United Kingdom	1	13	11,460	18,000
West Germany	448	2,798	13,008	N.A.
<b>OTHER COUNTRIES</b>				
Argentina	1,383	4,222	6,012	6,461
Iran	950	1,230	11,220	16,000
Kuwait	941	1,794	4,044	N.A.
Mexico <sup>d</sup>	9,665	13,965	18,840	18,300
Venezuela	4,606	6,538	8,976	9,500
<b>COMMUNIST COUNTRIES <sup>e</sup></b>				
USSR and Eastern Europe	57,800	149,000	234,000*	251,000*
USSR <sup>c</sup>	45,303	127,666	197,945	212,000*
Eastern Europe	12,500	20,900	36,300*	39,000*
Bulgaria	0	73	474	327
Czechoslovakia <sup>f</sup>	1,294	752	900*	900*
East Germany	26	133	1,233	2,000*
Hungary	342	1,108	3,469	3,713
Poland	549	1,378	5,182	5,383
Romania	10,330	17,452	25,031	26,719
Other				
Yugoslavia	53	330	977	1,151

\* An asterisk indicates that the data are classified.

<sup>a</sup> Data include only gas from natural gas wells and associated gas from petroleum fields.<sup>b</sup> Data are for net production—that is, for gas actually collected and utilized as fuel or raw material. They thus exclude gas used for repressuring, as well as gas flared, vented, or otherwise wasted, whether or not it has first been processed for the extraction of natural gasoline.<sup>c</sup> Data for the United States are in terms of net marketed production and agree with the general definition for the NATO data. Data for the USSR are believed to refer to gross production less losses and waste. US gross production (less losses and waste), which would include gas returned to reservoirs in order to maintain horizon pressure would be as follows (in billion cubic meters):

1960	1965	1970
411	500	660

A much smaller share of total production in the USSR is believed to be used for repressuring.

<sup>d</sup> Including gas used for repressuring and gas wasted.<sup>e</sup> Gross production.<sup>f</sup> Production from gasfields only.

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Table 85

Production of Electric Power <sup>a</sup>

Billion Kilowatt-Hours

	1960	1965	1970	1971
<b>NATO COUNTRIES <sup>b</sup></b>	<b>1,470</b>	<b>2,050</b>	<b>2,880</b>	<b>3,020</b>
United States	893.72	1,229.64	1,744.37	1,826.55
Of which: hydro	149.12	196.99	250.70	269.58
Canada	115.10	146.31	207.20	218.72
Norway	31.14	49.06	57.63	62.71
United Kingdom	136.97	195.99	248.59	246.48
<b>EUROPEAN COMMUNITY</b>	<b>281</b>	<b>406</b>	<b>575</b>	<b>620</b>
Belgium	15.15	21.71	30.52	32.89
France	75.01	105.52	146.65	154.10
Italy	56.24	82.97	117.42	126.07
Netherlands	16.52	25.01	40.86	44.80
West Germany	116.42	168.76	237.21	259.63
<b>OTHER COUNTRIES</b>				
Australia	24.49	36.91	56.26	59.68
India <sup>c</sup>	20.12	36.82	59.98	58.08
Japan	111.49	188.38	350.59	379.12
Spain	18.61	31.72	55.90	59.92
Sweden	34.72	49.11	60.64	66.50
<b>COMMUNIST COUNTRIES</b>				
USSR and Eastern Europe	<b>406</b>	<b>677</b>	<b>987</b>	<b>1,060</b>
USSR	292.27	506.67	740.93	800.00
Of which: hydro	50.91	81.43	124.38	125.00*
Eastern Europe	<b>114</b>	<b>170</b>	<b>246</b>	<b>262</b>
Bulgaria	4.66	10.24	19.51	21.02
Czechoslovakia	24.45	34.19	45.16	47.22
East Germany	40.30	53.61	67.65	69.70
Hungary	7.62	11.18	14.54	14.99
Poland	29.26	43.77	64.52	69.90
Romania	7.65	17.22	35.09	39.40
Far East				
China	47	42	60	70
North Korea	9.14	13.4	16.5	17.0*
North Vietnam	0.26	0.57*	0.51*	0.56*
Other				
Albania	0.19	0.34	1.00	1.08
Cuba	2.98	3.56	5.09	N.A.
Yugoslavia	8.93	15.52	26.02	30.00

\* An asterisk indicates that the data are classified.

<sup>a</sup> Data are for total (gross) production at generating centers and therefore include transmission losses and station use. (See footnote b.)<sup>b</sup> Data are gross production or estimates of gross production based on reported net, adjusted by increasing by 7.5% the thermal electric production to include production that is consumed by the station itself. Hydroelectric production that is consumed by the station itself is a negligible part of the total gross production. Therefore, no attempt has been made to adjust the net production for hydroelectric power.<sup>c</sup> Data are for the year beginning 1 April of the stated year.

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Table 86

Installed Electric Power Generating Capacity <sup>a</sup>

Thousand Kilowatts

	1960	1965	1970	1971
<b>NATO COUNTRIES</b>				
United States .....	186,534	254,519	360,327	386,702 <sup>b</sup>
Canada .....	23,035	29,348	N.A.	N.A. <sup>b</sup>
France .....	21,851	28,209	38,700	41,100 <sup>b</sup>
Italy .....	17,686	25,398	33,200	35,700 <sup>b</sup>
Netherlands .....	5,262	7,358	10,200	11,000 <sup>b</sup>
Norway .....	6,607	9,915	12,500	13,200
United Kingdom .....	36,702	49,399	65,500	69,900 <sup>b</sup>
West Germany .....	27,097	40,603	50,700	53,500 <sup>b</sup>
<b>OTHER COUNTRIES</b>				
India <sup>c</sup> .....	5,650	10,173	16,400	17,400 <sup>b</sup>
Japan <sup>c</sup> .....	23,657	41,004	68,262	85,000 <sup>b</sup>
Spain .....	6,567	10,173	18,000	19,200 <sup>b</sup>
Sweden .....	8,957	11,953	15,300	17,000 <sup>b</sup>
<b>COMMUNIST COUNTRIES</b>				
USSR .....	66,721	115,033	166,150	177,500 <sup>b</sup>
<b>Eastern Europe</b>				
Bulgaria .....	925	2,155	4,117	4,351
Czechoslovakia .....	5,662	8,206	10,808	11,593
East Germany .....	7,904	10,350	12,669	13,299 <sup>b</sup>
Hungary .....	1,479	1,998	2,733	3,133
Poland .....	6,316	9,672	13,891	14,800
Romania .....	1,779	3,258	7,346	8,324
<b>Far East</b>				
China .....	10,900	13,700	18,100	19,000
North Korea .....	1,500	2,120	2,800	3,000*
North Vietnam <sup>d</sup> .....	110*	175*	187*	228*
<b>Other</b>				
Cuba .....	935	965	1,325	1,350
Yugoslavia .....	2,402	3,728	6,873	7,718

\* An asterisk indicates that the data are classified.

<sup>a</sup> All plants for both public and industrial use. Unless otherwise indicated, data are as of the end of the year.

<sup>b</sup> Nuclear generating capacity installed as of 1971 was as follows (in thousand kilowatts): United States, 8,687; Canada, 1,550; France, 1,626; Italy, 642; Netherlands, 57; United Kingdom, 6,042; West Germany, 1,606; India, 400; Japan, 1,323; Spain, 620; Sweden, 472; USSR, 2,370; and East Germany, 70.

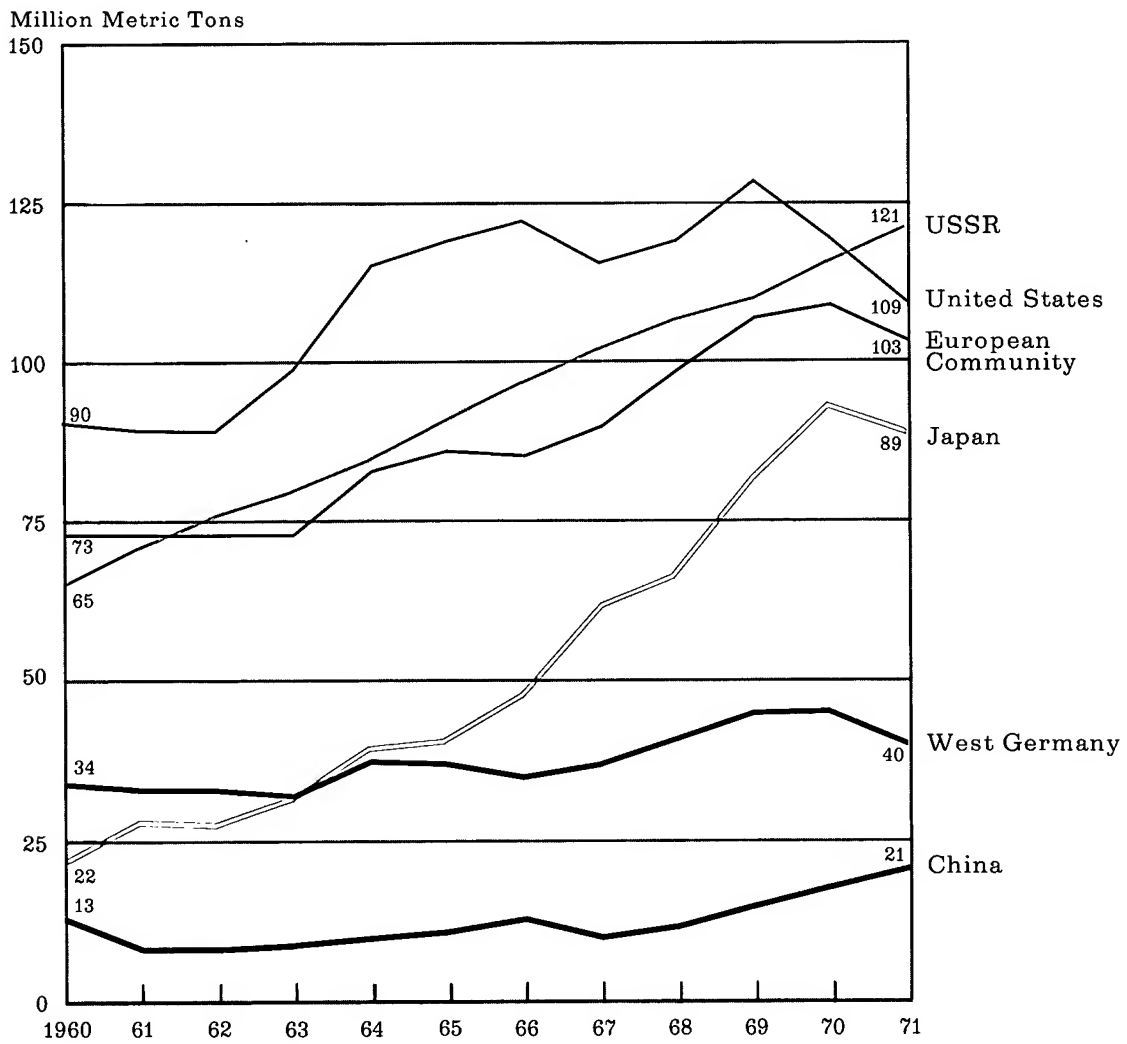
<sup>c</sup> Data are for the year beginning 1 April of the stated year.

<sup>d</sup> Percentage out of operation as a result of bomb damage is as follows: 1965, 27%; 1970, 30%; and 1971, 25%.

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Figure 25

## Production of Crude Steel



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Table 87

Production of Crude Steel<sup>a</sup>

Million Metric Tons

	1960	1965	1970	1971
<b>NATO COUNTRIES.....</b>	<b>194</b>	<b>244</b>	<b>270</b>	<b>250</b>
United States <sup>b</sup> .....	90.07	119.26	119.31	109.05
Canada.....	5.27	9.13	11.20	11.04
United Kingdom.....	24.70	27.44	28.32	24.19
<b>EUROPEAN COMMUNITY.....</b>	<b>72.8</b>	<b>86.0</b>	<b>109</b>	<b>103</b>
Belgium.....	7.18	9.16	12.61	12.44
France.....	17.28	19.60	23.77	22.86
Italy.....	8.23	12.68	17.28	17.51
West Germany.....	34.10	36.82 <sup>c</sup>	45.04 <sup>c</sup>	40.31 <sup>c</sup>
<b>OTHER COUNTRIES</b>				
Australia.....	3.75	5.46	6.82	6.74
India.....	3.29	6.41 <sup>d</sup>	6.23 <sup>d</sup>	5.98 <sup>d</sup>
Japan.....	22.14	41.16	93.32	88.56
Spain.....	1.92	3.52	7.43	7.76
<b>COMMUNIST COUNTRIES</b>				
USSR and Eastern Europe.....	<b>86.5</b>	<b>120</b>	<b>156</b>	<b>163</b>
USSR.....	65.29	91.02	115.89	120.87
Eastern Europe.....	<b>21.2</b>	<b>28.7</b>	<b>40.1</b>	<b>42.3</b>
Bulgaria <sup>e</sup> .....	0.30	0.65	1.86	2.00
Czechoslovakia.....	6.77	8.60	11.48	12.06
East Germany.....	3.75	4.37	5.37	5.67
Hungary.....	1.89	2.52	3.11	3.11
Poland.....	6.68	9.09	11.80	12.74
Romania.....	1.81	3.43	6.52	6.74
Far East				
China.....	13.0	11.0	18.0	21.0
North Korea.....	0.64	1.23 <sup>*</sup>	2.20 <sup>*</sup>	2.60 <sup>*</sup>
Other				
Cuba.....	N.A.	0.04	0.15	N.A.
Yugoslavia.....	1.44	1.77	2.23	2.67

\* An asterisk indicates that the data are classified.

<sup>a</sup> Data are for ingots and steel for castings.<sup>b</sup> Excluding steel for castings made in foundries operated by companies not producing ingots.<sup>c</sup> Including data for West Berlin.<sup>d</sup> Ingots only.<sup>e</sup> Including an estimate for steel for castings for all years.



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Table 88  
Production of Rolled Steel<sup>a</sup>

	Million Metric Tons			
	1960	1965	1970	1971
<b>NATO COUNTRIES.....</b>	<b>151</b>	<b>188</b>	<b>202</b>	<b>193</b>
United States.....	69.35	90.09	82.37	78.96
Canada.....	4.13	6.72	8.24 <sup>b</sup>	8.36 <sup>b</sup>
United Kingdom.....	18.41	20.76	22.18	19.12
<b>EUROPEAN COMMUNITY.....</b>	<b>58.1</b>	<b>68.5</b>	<b>88.0</b>	<b>84.9</b>
Belgium <sup>c</sup> .....	5.88	7.72	10.26	10.43
France.....	13.70	15.72	18.73	18.13
Italy.....	7.78	10.62	14.76	14.43
Luxembourg.....	3.22	3.60	4.26	4.14
Netherlands.....	1.69	2.38	3.99	4.42
West Germany.....	25.84	28.48	35.97	33.31
<b>OTHER COUNTRIES</b>				
Japan.....	17.20	33.42	76.03	72.08
<b>COMMUNIST COUNTRIES</b>				
USSR and Eastern Europe.....	<b>65.1</b>	<b>90.6</b>	<b>120</b>	<b>125</b>
USSR.....	50.96	70.91	92.50	95.90
Eastern Europe.....	<b>14.1</b>	<b>19.7</b>	<b>27.6</b>	<b>29.1</b>
Bulgaria.....	0.19	0.43	1.42	1.77
Czechoslovakia.....	4.48	6.09	7.93	8.31
East Germany.....	2.61	2.99	3.41	3.55
Hungary.....	1.19	1.70	2.04	2.06
Poland.....	4.42	6.13	8.14	8.72
Romania.....	1.25	2.35	4.70	4.70
Other				
Yugoslavia.....	0.97	1.19	1.77	1.87

<sup>a</sup> Unless otherwise indicated, data are for hot-rolled steel.

<sup>b</sup> Shipments.

<sup>c</sup> Including steel forgings and rolled wrought-iron products.

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Table 89

Production of Pig Iron and Blast-Furnace Ferroalloys <sup>a</sup>

Thousand Metric Tons

	1960	1965	1970	1971
NATO COUNTRIES.....	136,000	169,000	192,000	174,000
United States.....	61,072	80,584	83,324	74,093
Canada.....	4,025	6,587	8,436	7,984
United Kingdom.....	16,016	17,740	17,672	15,432
EUROPEAN COMMUNITY.....	54,200	63,100	80,400	75,100
Belgium.....	6,553	8,366	10,844	10,404
France.....	14,144	15,769	19,221	18,019
Italy.....	2,715	5,501	8,354	8,460
West Germany.....	25,729	26,989 <sup>b</sup>	33,627 <sup>c</sup>	29,985 <sup>c</sup>
OTHER COUNTRIES <sup>b</sup>				
Australia.....	2,939	4,313	6,144	6,132
Brazil.....	1,783	2,341	4,200	4,752
India.....	4,275	7,124	7,224	6,864
Japan.....	11,896	27,502	68,048	72,745
South Africa.....	2,000	3,603	4,356	4,452
Spain.....	1,888	2,328	4,164	4,817
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	60,200	84,100	110,000	114,000
USSR.....	46,757	66,184	85,933	89,300
Eastern Europe.....	13,400	17,900	23,800	24,700
Bulgaria.....	192	695	1,251	1,378
Czechoslovakia.....	4,696	5,868	7,548	7,900
East Germany.....	1,995	2,338	1,994	2,027
Hungary.....	1,244	1,577	1,822	1,970
Poland.....	4,253	5,375	6,984	7,180
Romania.....	1,014	2,019	4,210	4,250
Far East				
China.....	14,100*	12,500*	19,500*	24,000*
North Korea <sup>e</sup> .....	870	1,320*	2,000*	2,400*
North Vietnam.....	10	200	50	75
Other				
Yugoslavia.....	972	1,115	1,275	1,514

\*An asterisk indicates that the data are classified.

<sup>a</sup> Unless otherwise indicated, data are for pig iron and blast-furnace ferroalloys and exclude ferroalloys obtained from electric furnaces and sponge iron.<sup>b</sup> Including small quantities of foreign-produced pig iron returned to furnaces.<sup>c</sup> Including data for West Berlin<sup>d</sup> Data may include some electric-furnace ferroalloys.<sup>e</sup> Including sponge iron.

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Table 90

Production of Iron Ore<sup>a</sup>

Million Metric Tons

	1960	1965	1970	1971
<b>NATO COUNTRIES<sup>b</sup></b>	<b>218</b>	<b>220</b>	<b>228</b>	<b>210</b>
United States <sup>c</sup>	89.04	89.18	91.28	83.55
Canada <sup>d</sup>	19.55	36.25	48.28	43.28
United Kingdom	17.36	15.66	12.02	10.25
<b>EUROPEAN COMMUNITY</b>	<b>89.5</b>	<b>74.7</b>	<b>68.9</b>	<b>66.2</b>
France	66.91	59.52	56.80	55.87
Luxembourg	6.98	6.32	5.72	4.51
West Germany	14.18	7.95 <sup>e</sup>	5.53 <sup>e</sup>	5.02 <sup>e</sup>
<b>OTHER COUNTRIES<sup>f</sup></b>				
Australia	4.50	6.80	51.11	59.95
Brazil	9.35	20.75	30.00	N.A.
India	16.61	23.74	31.37	32.50
Liberia	3.20	16.15	23.68	N.A.
Sweden	21.69	29.35	31.77	33.54
Venezuela	19.49	17.65	22.00	20.20
<b>COMMUNIST COUNTRIES<sup>g</sup></b>				
USSR and Eastern Europe	<b>115</b>	<b>165</b>	<b>206</b>	<b>214</b>
USSR	105.86	153.43	195.49	203.00
Eastern Europe	<b>9.34</b>	<b>12.0</b>	<b>10.8</b>	<b>11.0</b>
Bulgaria	0.42	1.80	2.41	3.04
Czechoslovakia	3.12	2.44	1.61	1.50
East Germany	1.64	1.63	0.42	0.32
Hungary	0.52	0.76	0.63	0.69
Poland	2.18	2.86	2.55	2.08
Romania	1.46	2.48	3.21	3.36
Far East				
China	28.20*	25.00*	39.00*	48.00*
North Korea	3.11	4.96 <sup>h</sup>	6.0*-7.0*	7.3*-8.3*
North Vietnam	0.02	0.40	0.10	0.15
Other				
Albania <sup>i</sup>	0.26	0.39	N.A.	N.A.
Yugoslavia	2.20	2.50	3.69	3.73

\* An asterisk indicates that the data are classified.

<sup>a</sup> Unless otherwise indicated, data are for the gross amount of marketable iron ores in the state in which they leave the mines, including manganiferous ores but excluding pyrites.<sup>b</sup> The metal content of the ore in the NATO countries follows: Luxembourg and the United Kingdom, 25%-30%; France and West Germany, 31%-33%; United States, 50%; and Canada, 55%.<sup>c</sup> Excluding manganiferous iron ore containing 5% or more of manganese.<sup>d</sup> Shipments.<sup>e</sup> Including data for West Berlin.<sup>f</sup> The metal content of the ore in the OTHER COUNTRIES ranges from 60% to 70%.<sup>g</sup> The metal content of the ore in selected Communist countries follows: the USSR, in terms of dressed ore, 55% of the ore; China, 20%-50%; North Korea, 40%-50%; Albania, 50%-55% (1% nickel); Bulgaria, 38%-50%; Czechoslovakia, 34%; East Germany, 25%-30%; Hungary, 24%-28%; Poland, 30%; Romania, 32%-40%; Yugoslavia, 40%; and North Vietnam, 55%.<sup>h</sup> Based on an announced increase for 1965 of 24% applied to 1964 plan data.<sup>i</sup> Iron-nickel ore that is mined for its nickel content.

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Table 91

Production of Manganese Ore <sup>a</sup>

	Thousand Metric Tons			
	1960	1965	1970	1971
NATO COUNTRIES.....	189	107	75.9	N.A.
United States <sup>b</sup> .....	73	27	4	0
OTHER COUNTRIES				
Australia.....	62	102	804	N.A.
Brazil.....	999	1,396	1,929	1,905
Gabon.....	N.A.	1,280	1,453	1,633
Ghana <sup>c</sup> .....	545 <sup>d</sup>	604	405	N.A.
India.....	1,199	1,647	1,651	1,542
Japan.....	324	303	271	N.A.
South Africa.....	1,194	1,567	2,679	2,722
Zaire.....	382	378	347	400
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	6,350	8,040	7,230	7,180
USSR.....	5,872	7,576	6,841	6,800
Eastern Europe.....	477	461	388	378
Bulgaria.....	25	42	33	33
Czechoslovakia.....	154	80	86	85
Hungary.....	123	213	167	160
Romania.....	175	126	102	100
Far East				
China.....	708*	312*	485*	600*
Other				
Cuba.....	123	120*	N.A.	N.A.
Yugoslavia.....	13	8	15	16

\* An asterisk indicates that the data are classified.

<sup>a</sup> The metal content of the ore of various countries is as follows: the United States, more than 35%; other non-Communist countries and Cuba, 30% to 53%; the USSR, about 45%; China and Yugoslavia, about 35%; Romania, 30%; Czechoslovakia, less than 30%; Bulgaria, about 27%; and Hungary, 26%.

<sup>b</sup> Shipments.

<sup>c</sup> Dry weight.

<sup>d</sup> Exports.

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Table 92

Production of Refined Nickel <sup>a</sup>

	Metric Tons			
	1960	1965	1970	1971
NATO COUNTRIES.....	205,000	240,000	294,000	280,000
United States <sup>b</sup> .....	12,975	12,256	13,897	14,061
Canada <sup>c</sup> .....	114,735	147,000	184,500	160,980
France <sup>d</sup> .....	10,016	8,150	10,952	9,870
Greece.....	N.A.	N.A.	8,642	10,580
Norway.....	30,428	31,835	38,478	41,900
United Kingdom.....	34,300	40,487	36,700	42,090
OTHER COUNTRIES				
Japan.....	17,288	27,900	80,232	100,430
New Caledonia.....	11,408	15,552	33,765	51,390
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	72,200*	100,000*	140,000*	151,000*
USSR.....	72,000*	100,000*	140,000*	151,000*
Eastern Europe.....	222*	50*	N.A.	N.A.
East Germany.....	222*	50*	N.A.	N.A.
Other				
Cuba <sup>e</sup> .....	12,800	28,230	36,000	36,000

\*An asterisk indicates that the data are classified.

<sup>a</sup> Unless otherwise indicated, data are for refined metal.

<sup>b</sup> Nickel recovered from refined domestic ore and nickel recovered as a byproduct of electrolytic refining of copper. Secondary nickel produced from nonferrous scrap is excluded.

<sup>c</sup> Including nickel and content of oxides and salts produced, plus exports of recoverable nickel in matte and concentrates.

<sup>d</sup> Excluding data for New Caledonia.

<sup>e</sup> Nickel content of oxides and sulfides.

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Table 93

Production of Chromite <sup>a</sup>

Thousand Metric Tons

	1960	1965	1970	1971
NATO COUNTRIES.....	279	264	288	N.A.
United States <sup>b</sup> .....	37.4 <sup>c</sup>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>
Greece.....	20.6	21.5	20.8	<i>N.A.</i>
Turkey.....	220.7	242.2	267.7	340.0
OTHER COUNTRIES				
India.....	50.2	30.4	130.9	125.2
Philippines.....	249.0	192.0	211.6	<i>N.A.</i>
Rhodesia.....	291.1	281.1	250.0	250.0
South Africa.....	339.7	421.4	639.4	749.0
COMMUNIST COUNTRIES <sup>d</sup>				
USSR.....	520*	1,160*	1,380*	1,400*
North Vietnam.....	19.4	12.0*	2.0*	2.0*
Albania.....	130.1	141.2*	200*	210*
Cuba.....	10.0 <sup>e</sup>	14.4	<i>N.A.</i>	<i>N.A.</i>
Yugoslavia.....	25.4	20.8	<i>N.A.</i>	<i>N.A.</i>

\* An asterisk indicates that the data are classified.

<sup>a</sup> Estimated chromic oxide (Cr<sub>2</sub>O<sub>3</sub>) content of ores mined. In many instances, data are only approximate.<sup>b</sup> Shipments.<sup>c</sup> Production for the Federal Government only.<sup>d</sup> The following percentages were used to reduce the estimates of ores mined in the Communist countries to show the chromic oxide content: USSR, a part at 50% and the remainder at 40%; North Vietnam, at 50%; Albania, at 45%; Cuba, at 35%; and Yugoslavia, at about 26%.<sup>e</sup> US imports.

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Table 94

Production of Molybdenum <sup>a</sup>

	Metric Tons			
	1960	1965	1970	1971
NATO COUNTRIES.....	31,500	39,700	66,800	N.A.
United States.....	30,952	35,095	50,508	48,761
Canada <sup>b</sup> .....	348	4,335	16,036	15,195
Norway.....	246	239	251	N.A.
OTHER COUNTRIES				
Chile.....	1,852	3,693	6,100	4,763
Japan.....	381	277	442	N.A.
Peru.....	Negl.	680	529	680
COMMUNIST COUNTRIES				
USSR.....	4,800*	7,300*	9,500*	9,500*
Far East				
China.....	3,800*	1,000*	1,000*	1,000*

\* An asterisk indicates that the data are classified.

<sup>a</sup> Molybdenum content of ores and concentrates.<sup>b</sup> Shipments.

Table 95

Production of Cobalt <sup>a</sup>

	Metric Tons			
	1960	1965	1970	1971
NATO COUNTRIES				
Canada <sup>b</sup> .....	1,618	1,655	2,371	2,041
OTHER COUNTRIES				
Morocco.....	1,271	1,832	604	499
Zaire.....	8,222	8,388	13,958	11,340
Zambia <sup>c</sup> .....	1,847	1,544	2,052	2,079
COMMUNIST COUNTRIES				
USSR.....	1,640*	3,400*	4,700*	4,800*
Cuba.....	0	850	1,575	1,650

\* An asterisk indicates that the data are classified.

<sup>a</sup> Cobalt content of ores mined, unless otherwise indicated.<sup>b</sup> Including metal, salts, and oxides recovered from smelter products and residues exported.<sup>c</sup> Cobalt content of alloys.

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Table 96

Production of Tungsten Ore <sup>a</sup>

	Metric Tons			
	1960	1965	1970	1971
NATO COUNTRIES.....	10,300	11,700	14,000	13,700
United States <sup>b</sup> .....	6,645	7,213	7,434	7,150
Canada.....	N.A.	2,826	2,818	2,765
Portugal.....	2,917	1,644	3,751	3,813
OTHER COUNTRIES				
Australia.....	1,882	1,992	2,615	2,836
Bolivia.....	2,150 <sup>c</sup>	1,823 <sup>c</sup>	3,878	3,909
Brazil.....	1,694	383	2,438	N.A.
Peru.....	488	797	1,738	N.A.
South Korea.....	5,734	4,479	4,351	4,385
Thailand.....	442	555	1,494	N.A.
COMMUNIST COUNTRIES				
USSR.....	11,400*	14,000*	14,500*	15,200*
Far East				
China.....	29,600	15,400	11,600	12,400
North Korea.....	3,000*	4,300*	5,000*	5,000*

\* An asterisk indicates that the data are classified.

<sup>a</sup> Data are for the estimated tonnage of tungsten concentrates, 60% tungsten trioxide (WO<sub>3</sub>) basis.<sup>b</sup> Shipments.<sup>c</sup> Exports.

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Table 97

## Production of Gold

Million Troy Ounces

	1960	1965	1970	1971
<b>Non-Communist Countries</b>				
United States .....	1.68	1.67	1.75	1.58
Australia .....	1.09	0.88	0.63	0.67
Canada .....	4.63	3.59	2.41	2.21
Colombia .....	0.43	0.32	0.20	0.19
Ghana .....	0.88	0.76	0.70	0.70
India .....	0.16	0.13	0.10	0.12
Japan .....	0.34	0.52	0.71	0.71
Mexico .....	0.30	0.22	0.20	0.15
Nicaragua .....	0.20	0.16	0.11	0.11
Peru .....	0.14	0.11	0.09	N.A.
Philippines .....	0.41	0.44	0.60	0.63
Rhodesia .....	0.56	0.54	0.50	N.A.
South Africa .....	21.38	30.54	32.23	31.39
Zaire .....	0.32	0.07	0.18	0.17
<b>Communist Countries</b>				
USSR .....	3.50*	5.00*	6.60*	6.90*
China .....	1.00*	0.70*	0.63*	0.63*
Czechoslovakia .....	0.07*	0.07*	Negl.*	Negl.*
Romania .....	0.37*	0.49*	0.74*	0.74*

\* An asterisk indicates that the data are classified.

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Table 98

Production of Refined Copper <sup>a</sup>

Thousand Metric Tons

	1960	1965	1970	1971
<b>NATO COUNTRIES</b> .....	<b>2,850</b>	<b>3,280</b>	<b>3,570</b>	<b>3,200</b>
United States <sup>b</sup> .....	1,642.6	1,956.7	2,033.9	1,745.0
Belgium.....	211.8	280.0	337.6	312.8
Canada.....	378.2	393.8	492.7	472.0
United Kingdom.....	218.9	227.6	206.2	187.5
West Germany.....	309.1	342.4 <sup>c</sup>	405.8 <sup>c</sup>	400.0 <sup>c</sup>
<b>OTHER COUNTRIES</b> .....				
Australia.....	84.2	95.2	145.5	155.8
Chile.....	225.6	288.8	461.3	467.8
Japan.....	248.1	365.7	705.3	714.0
Zaire.....	144.7	152.6	189.6	200.0
Zambia.....	402.6	522.3	580.7	534.3
<b>COMMUNIST COUNTRIES</b> .....				
USSR and Eastern Europe.....	<b>591</b>	<b>913</b>	<b>1,300*</b>	<b>1,390*</b>
USSR.....	490.0	772.0	1,100*	1,190*
Eastern Europe.....	<b>101</b>	<b>141</b>	<b>197</b>	<b>201</b>
Bulgaria.....	14.0	23.9	38.3	40.0
Czechoslovakia.....	10.1	12.3	12.0	12.0
East Germany.....	40.0	40.0	37.5	38.0
Hungary.....	8.2	12.0	12.0	12.0
Poland.....	21.7	37.4	72.2	72.0
Romania.....	7.0	15.0	25.0	27.0
Far East.....				
China.....	90.0*	201*	290*	290*
North Korea.....	8.5	18.0	40.0*	40.0*
Other.....				
Albania <sup>d</sup> .....	0.9	4.2	7.0	7.5
Yugoslavia.....	35.1	56.4	89.3	92.5

\*An asterisk indicates that the data are classified.

<sup>a</sup> Unless otherwise indicated, data are for primary and secondary refined copper produced from domestic and imported ores and scrap.<sup>b</sup> Including production from secondary plants and copper refined by manufacturers for their own use.<sup>c</sup> Including data for West Berlin.<sup>d</sup> Blister copper.

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Table 99

## Production of Primary Aluminum

Thousand Metric Tons

	1960	1965	1970	1971
NATO COUNTRIES.....	3,210	4,260	5,980	6,000
United States.....	1,828	2,499	3,607	3,561
Canada.....	691	753	962	862
France.....	238	340	382	384
Italy.....	84	124	146	117
Norway <sup>a</sup> .....	171	276	530	528
United Kingdom <sup>a</sup> .....	29	36	40	119
West Germany.....	169	234 <sup>b</sup>	310 <sup>b</sup>	427 <sup>b</sup>
OTHER COUNTRIES				
Australia.....	12	88	204	223
India.....	18	62	161	175
Japan.....	133	294	733	893
Spain.....	29	52	119	127
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	793	1,210	2,070*	2,140*
USSR.....	630	1,000	1,720*	1,760*
Eastern Europe.....	163	206	354	377
Czechoslovakia.....	52	56	20	20
East Germany.....	35	45	63	64
Hungary.....	50	58	64	68
Poland.....	26	47	100	110
Romania <sup>c</sup> .....	0	0	107	115
Far East				
China.....	80*	115*	225*	245*
Other				
Yugoslavia.....	25	39	47	46

\*An asterisk indicates that the data are classified.

<sup>a</sup> Including the pure content of virgin alloys.<sup>b</sup> Including data for West Berlin.<sup>c</sup> Including aluminum alloys.

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Table 100

## Production of Bauxite

Thousand Metric Tons

	1960	1965	1970	1971
NATO COUNTRIES.....	<b>5,300</b>	<b>5,860</b>	<b>7,610</b>	<b>8,070</b>
United States.....	2,030	1,681	2,115	2,032
France.....	2,068	2,662	2,992	2,997
Greece.....	884	1,270	2,278	2,832
OTHER COUNTRIES				
Australia.....	70	1,187	9,389	11,177
Jamaica.....	5,837	8,651	12,010	12,497
Surinam.....	3,455	4,360	5,341	5,588
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	<b>4,390*</b>	<b>6,350*</b>	<b>7,370*</b>	<b>7,590*</b>
USSR <sup>a</sup> .....	3,110*	4,860*	5,000*	5,000*
Eastern Europe.....	<b>1,280</b>	<b>1,490</b>	<b>2,370</b>	<b>2,590</b>
Hungary.....	1,190	1,478	2,022	2,090
Romania.....	88	12	350	500
Far East				
China <sup>b</sup> .....	640*	920*	1,830*	1,840*
Other				
Yugoslavia.....	1,025	1,574	2,099	1,959

\* An asterisk indicates that the data are classified.

<sup>a</sup> Including nonbauxite ore such as nepheline and alunite for the production of alumina.<sup>b</sup> Data are for aluminous shales and clays used for the manufacture of aluminum and exclude shales exported and those used for refractories, abrasives, and cement.

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Table 101

Smelter Production of Lead <sup>a</sup>

Thousand Metric Tons

	1960	1965	1970	1971
NATO COUNTRIES.....	844	938	1,210	1,140
United States <sup>b</sup> .....	346.9	379.4	591.0	581.8
Canada.....	144.0	169.2	185.7	171.4
EUROPEAN COMMUNITY.....	348	359	377	334
Belgium <sup>c</sup> .....	92.7	110.8	90.3	82.8
France.....	74.4	98.4	119.9	108.2
Italy.....	41.6	45.4	54.2	48.4
West Germany.....	139.2	104.0 <sup>d</sup>	112.8 <sup>d</sup>	94.8 <sup>d</sup>
OTHER COUNTRIES				
Australia.....	192.9	196.8	180.0	180.0
Japan.....	69.4	108.4	206.0	198.6
Mexico.....	186.2	164.3	159.2	N.A.
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	436	608	824	857*
USSR.....	324.0	433.0	597.0	620.0*
Eastern Europe.....	112	175	227	237
Bulgaria.....	40.4	93.4	98.6	102.2
Czechoslovakia.....	9.1	14.6	21.8	22.0
East Germany.....	10.4	12.5	12.5	12.0
Hungary.....	0.5	0.5	0.5	0.5
Poland <sup>e</sup> .....	39.7	41.4	54.5	60.2
Romania <sup>e</sup> .....	12.0	12.2	39.0	40.0
Far East				
North Korea.....	34.0*	54.0	61.0	61.0*
Other				
Yugoslavia.....	89.1	101.6	97.4	99.1

\* An asterisk indicates that the data are classified.

<sup>a</sup> Unless otherwise indicated, data are for smelter production of lead produced from domestic and imported ores and concentrates, excluding all metal produced from scrap (secondary metals).<sup>b</sup> Excluding refined lead produced from imported base bullion.<sup>c</sup> Including secondary metal.<sup>d</sup> Including data for West Berlin.<sup>e</sup> Probably including some secondary metal.

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Table 102

Production of Refined Zinc <sup>a</sup>

Thousand Metric Tons

	1960	1965	1970	1971
NATO COUNTRIES.....	1,850	2,200	2,440	2,180
United States <sup>b</sup> .....	787.7	978.0	866.3	762.3
Canada.....	238.2	325.5	417.9	372.0
United Kingdom.....	75.5	106.8	146.6	116.5
EUROPEAN COMMUNITY.....	707	735	945	871
Belgium.....	247.6	238.1	231.9	212.7
France.....	146.4	192.0	223.7	219.5
Italy.....	85.2	80.9	142.1	142.8
West Germany.....	191.9	182.2	301.2	254.7
OTHER COUNTRIES.....				
Australia.....	122.2	202.2	257.5	258.1
Japan.....	180.5	367.8	676.3	717.7
Mexico.....	52.9	62.6	80.7	62.2
COMMUNIST COUNTRIES.....				
USSR and Eastern Europe.....	575	793	1,140*	1,240*
USSR <sup>c</sup> .....	364.0	504.0	800.0*	888.0*
Eastern Europe.....	211	289	337	350
Bulgaria.....	16.9	65.8	76.1	78.4
Czechoslovakia.....	2.0	3.0	3.0	3.0
East Germany.....	4.1	14.0	13.8	14.0
Hungary.....	Negl.	Negl.	Negl.	Negl.
Poland.....	175.5	190.4	209.0	220.0
Romania.....	12.5	15.4	35.0	35.0
Far East.....				
North Korea.....	55.0	80.0	88.0	88.0
Other.....				
Yugoslavia.....	35.9	46.1	65.0	53.1

\* An asterisk indicates that the data are classified.

<sup>a</sup> Data are for electrolytic and distilled (including redistilled) zinc produced from domestic and imported ores and scrap and other secondary materials.<sup>b</sup> Including production from secondary smelters. Production of primary zinc in the United States was as follows (in metric tons): 1960, 725,300; 1965, 902,100; 1970, 796,500; and 1971, 756,000.<sup>c</sup> Primary metal only, representing slightly less than 80% of total production.

Table 103

Production of Titanium Sponge Metal <sup>a</sup>

Metric Tons

	1960	1965	1970	1971
United States.....	4,818	8,100 <sup>b</sup>	16,000 <sup>b</sup>	9,000 <sup>b</sup>
Japan.....	2,300	4,000	9,200	6,800
USSR.....	3,000*	12,000*	30,000*	32,000*

\* An asterisk indicates that the data are classified.

<sup>a</sup> Raw titanium in the form of sponge metal produced from rutile or ilmenite concentrates.<sup>b</sup> Based on reports from various trade publications.

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Table 104

Smelter Production of Primary Tin Metal<sup>a</sup>

Thousand Metric Tons

	1960	1965	1970	1971
NATO COUNTRIES.....	56.8	44.6	38.4	34.0
United States <sup>b</sup> .....	13.7	3.1	4.5	4.4
Belgium.....	8.4	4.3	4.3	3.9
United Kingdom.....	26.8	16.8	22.0	23.2
OTHER COUNTRIES				
Australia.....	2.3	3.2	5.2	6.3
Bolivia.....	1.0 <sup>c</sup>	3.5 <sup>c</sup>	0.3	6.4
Brazil.....	1.3	1.4	3.1	3.4
Indonesia.....	2.0	1.2	5.2	9.2
Malaysia.....	77.6	73.6	90.3	87.1
Nigeria.....	0	9.5	8.1	7.4
Spain.....	0.5	1.8	3.0	4.8
Thailand.....	0.2	5.6	22.0	21.7
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	11.4*	15.2*	N.A.	N.A.
USSR.....	10.6*	14.0*	21.3*	22.0*
Eastern Europe.....	0.8*	1.2	N.A.	N.A.
East Germany.....	0.8*	1.2	N.A.	N.A.
Far East				
China.....	28.0*	11.0*	10.0*	10.0*

\* An asterisk indicates that the data are classified.

<sup>a</sup> Excluding tin derived from scrap or detinning.<sup>b</sup> Estimated data based on imports of tin concentrates.<sup>c</sup> Exports.

Table 105

## Production of Primary Magnesium

Thousand Metric Tons

	1960	1965	1970	1971
NATO COUNTRIES.....	64.9	124	157	162
United States.....	36.4	73.8	101.6	104.3
Canada.....	6.6	9.2	8.7	9.1
France.....	2.1	2.8	4.6	7.2
Italy.....	5.4	6.3	6.5	6.4
Norway.....	10.3	26.4	35.4	35.4
OTHER COUNTRIES				
Japan.....	2.1	3.8	10.3	10.9
COMMUNIST COUNTRIES				
USSR.....	25.0*	66.5*	94.0*	98.0*

\* An asterisk indicates that the data are classified.

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Table 106

## Production of Synthetic Rubber

Thousand Metric Tons

	1960	1965	1970	1971
NATO COUNTRIES.....	1,890	2,780	3,770	3,820
United States.....	1,459	1,842	2,232	2,277
Canada.....	162	206	205	197
France.....	17	148	316	323
Italy.....	67	120	155	170
Netherlands.....	12	100	206	211
United Kingdom.....	92	175	306	270
West Germany.....	81	164	302	306
OTHER COUNTRIES				
Japan.....	23	161	698	759
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	455*	799*	1,200*	N.A.
USSR.....	347*	604*	914*	N.A.
Eastern Europe.....	108*	195	285	N.A.
Bulgaria.....	0	0	1	12
Czechoslovakia.....	1*	30	43	N.A.
East Germany <sup>a</sup> .....	87	95	118	N.A.
Poland.....	20	39	62	66
Romania.....	0	31	61	71

\*An asterisk indicates that the data are classified.

<sup>a</sup> Including Pervinan and Plastikator.

Table 107

Production of Rubber Tires <sup>a</sup>

Thousand Units

	1960	1965	1970	1971
NATO COUNTRIES				
United States.....	123,059	172,532	193,971	217,209
France <sup>b</sup> .....	16,518	23,374	39,420	44,124
West Germany <sup>b</sup> .....	14,745	25,566	37,548	37,572
OTHER COUNTRIES				
Japan <sup>b</sup> .....	10,100	28,432	63,828	64,956
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	23,400	36,900	50,300	53,000
USSR.....	17,225	26,434	34,620	36,200
Eastern Europe.....	6,130	10,500	15,700	16,800
Bulgaria.....	196	349	550	735
Czechoslovakia <sup>c</sup> .....	1,324	1,792	2,778	3,200
East Germany <sup>d</sup> .....	2,714	3,750	4,692	4,922
Hungary <sup>b</sup> .....	336	581	665	727
Poland.....	1,223 <sup>e</sup>	2,818	4,550	4,580
Romania <sup>f</sup> .....	337	1,222	2,457	2,644
Other				
Cuba.....	343	197	216	N.A.
Yugoslavia <sup>g</sup> .....	391	955	2,763	3,195

<sup>a</sup> Unless otherwise indicated, data are for all motor vehicle tires, excluding aircraft and bicycle tires.<sup>b</sup> Excluding motorcycle tires.<sup>c</sup> Excluding motorcycle and bus tires and, beginning in 1970, tractor tires.<sup>d</sup> Including solid rubber tires.<sup>e</sup> Excluding motorcycle, tractor, and agricultural tires.<sup>f</sup> Including aircraft tires.<sup>g</sup> Automobile, motorcycle, and aircraft tires only.



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Table 108

## Production of Natural Rubber in Selected Countries

Thousand Metric Tons

	1960	1965	1970	1971
Cambodia.....	37.1	48.9	12.8	<i>Negl.</i>
Ceylon.....	98.8	118.3	159.2	141.4
India.....	25.2	49.4	89.9	98.9
Indonesia <sup>a</sup> .....	620.3	716.6	778.0	810.0
Malaysia <sup>b</sup> .....	785.4	949.2	1,276.3	1,324.6
South Vietnam.....	76.6	61.0	28.5	34.5
Thailand <sup>a</sup> .....	170.8	216.4	287.2	316.3

<sup>a</sup> Exports plus estimated consumption.<sup>b</sup> Including data for Malaya and Singapore, Sarawak, and Sabah.

Table 109

## Production of Plastics in the US and the USSR

Thousand Metric Tons

	1960	1965	1970	1971
United States <sup>a</sup> .....	2,851	5,300	8,890	9,548
USSR.....	312	803	1,673	1,862

<sup>a</sup> Dry basis, excluding water, solvents, and other liquid diluents.

Table 110

Production of Mineral Fertilizer in the US and the USSR  
(In Terms of Soviet Statistical Reporting Units <sup>a</sup>)

Thousand Metric Tons

	1960	1965	1970	1971
United States <sup>b</sup> .....	32,320	53,797	73,379	76,044
USSR.....	13,867	31,253	55,400	61,400

<sup>a</sup> Soviet production of fertilizer is usually reported as follows: nitrogen fertilizer on the basis of fertilizer containing 20.5% nitrogen, potassium fertilizer on the basis of 41.6% potassium oxide, and most types of phosphorous fertilizer on the basis of 18.7% phosphoric anhydride. In addition, total production includes an insignificant quantity of microfertilizer.

<sup>b</sup> Data are based on supply from domestic production given in pure nutrients and recomputed to conform to the Soviet method for expressing production. Data for the United States are "fertilizer years" beginning 1 July of the stated year.

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Table 111

Production of Mineral Fertilizer, Nutrient Content <sup>a</sup>

Thousand Metric Tons

	1960	1965	1970	1971
NATO COUNTRIES <sup>b</sup> .....	18,700	28,500	36,200	N.A.
United States .....	7,410	11,933	15,726	16,174
Canada .....	496	2,545	4,407	N.A.
EUROPEAN COMMUNITY .....	9,380	12,000	13,600	N.A.
France .....	3,021	4,161	4,622	N.A.
West Germany .....	3,897	4,610	4,743	N.A.
COMMUNIST COUNTRIES <sup>c</sup> .....				
USSR and Eastern Europe .....	6,510	12,000	20,700	22,700
USSR <sup>d</sup> .....	3,281	7,389	13,099	14,700
Eastern Europe .....	3,230	4,630	7,640	8,040
Bulgaria .....	126	354	749	708
Czechoslovakia .....	287	477	646	667
East Germany .....	2,166	2,506	3,200	3,246
Hungary .....	102	265	517	552
Poland .....	477	738	1,629	1,786
Romania .....	71	293	895	1,082
Far East .....				
China .....	495*	880*	1,460*	1,900*
North Korea .....	127*	158*	320*	350*
Other .....				
Yugoslavia .....	50	226	480	272

\* An asterisk indicates that the data are classified.

<sup>a</sup> Nitrogen fertilizer (in terms of nitrogen), phosphorus fertilizer (in terms of phosphoric anhydride), and potassium fertilizer (in terms of potassium oxide).<sup>b</sup> Data are "fertilizer years"—in general, the year beginning 1 July of the stated year.<sup>c</sup> Data are for calendar years.<sup>d</sup> Including some products used for non-fertilizer purposes.

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Table 112

Production of Potassium Fertilizer, Nutrient Content  
Thousand Metric Tons of K<sub>2</sub>O

	1960	1965	1970	1971
NATO COUNTRIES <sup>a</sup> .....	5,650	8,730	9,800	N.A.
United States.....	2,045	2,592	2,352	2,192
Canada.....	0	1,749	3,179	N.A.
EUROPEAN COMMUNITY.....	3,600	4,390	4,270	N.A.
France <sup>b</sup> .....	1,581	1,877	1,820	N.A.
West Germany <sup>c</sup> .....	1,967	2,335	2,293	N.A.
COMMUNIST COUNTRIES <sup>d</sup>				
USSR and Eastern Europe.....	2,750	4,290	6,510	N.A.
USSR.....	1,084	2,368	4,087	N.A.
Eastern Europe.....	1,670	1,930	2,420	N.A.
East Germany.....	1,666	1,926	2,419	2,445
Romania.....	0	0	4	N.A.
Far East				
China.....	10*	Negl.*	10*	20*

\*An asterisk indicates that the data are classified.

<sup>a</sup> Data are "fertilizer years"—in general, the year beginning 1 July of the stated year. Including unidentified double counting of some products used for technical purposes (estimated at 4% to 5% of the total).

<sup>b</sup> Beginning 1 May of the stated year.

<sup>c</sup> Excluding technical potash.

<sup>d</sup> Data are for calendar years.

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Table 113

## Production of Phosphorus Fertilizer, Nutrient Content

Thousand Metric Tons of  $P_2O_5$ 

	1960	1965	1970	1971
NATO COUNTRIES <sup>a</sup> . . . . .	6,070	8,790	10,900	N.A.
United States . . . . .	2,626	4,260	5,296	5,470
EUROPEAN COMMUNITY . . . . .	2,570	3,330	4,060	N.A.
France <sup>b c</sup> . . . . .	770	1,218	1,451	N.A.
COMMUNIST COUNTRIES <sup>d</sup> . . . . .				
USSR and Eastern Europe . . . . .	1,850	3,470	5,470	N.A.
USSR <sup>b</sup> . . . . .	1,192	2,300	3,585	N.A.
Eastern Europe . . . . .	658	1,170	1,880	N.A.
Bulgaria . . . . .	41	94	148	146
Czechoslovakia <sup>b</sup> . . . . .	147	258	322	331
East Germany <sup>b</sup> . . . . .	166	232	403	414
Hungary . . . . .	45	117	167	175
Poland . . . . .	207	344	599	705
Romania . . . . .	52	127	244	N.A.
Far East . . . . .				
China . . . . .	150*	280*	430*	600*
North Korea . . . . .	22*	43*	50*	55*
Other . . . . .				
Yugoslavia . . . . .	41	136	214	107

\*An asterisk indicates that the data are classified.

<sup>a</sup> Data are "fertilizer years"—in general, the year beginning 1 July of the stated year.<sup>b</sup> Including production of ground phosphate rock for direct application.<sup>c</sup> Beginning 1 May of the stated year.<sup>d</sup> Data are for calendar years.

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Table 114

## Production of Nitrogen Fertilizer, Nutrient Content

Thousand Metric Tons of N

	1960	1965	1970	1971
NATO COUNTRIES <sup>a</sup> .....	7,000	11,000	15,600	N.A.
United States.....	2,739	5,081	8,078	8,512
EUROPEAN COMMUNITY.....	3,200	4,260	5,230	N.A.
France.....	671	1,066	1,351	N.A.
West Germany.....	1,180	1,419	1,505	N.A.
OTHER COUNTRIES <sup>a</sup> .....				
Japan.....	1,030	1,615	2,105	N.A.
COMMUNIST COUNTRIES <sup>b</sup> .....				
USSR and Eastern Europe.....	1,910	4,250	8,750	N.A.
USSR.....	1,003	2,712	5,423	N.A.
Eastern Europe.....	906	1,540	3,330	N.A.
Bulgaria.....	86	260	602	562
Czechoslovakia.....	140	220	324	336
East Germany.....	334	348	378	387
Hungary.....	57	148	350	377
Poland.....	270	394	1,030	1,081
Romania.....	19	166	647	N.A.
Far East.....				
China.....	335*	600*	1,020*	1,280*
North Korea.....	105*	115*	270*	295*
Other.....				
Yugoslavia.....	9	90	266	165

\* An asterisk indicates that the data are classified.

<sup>a</sup> Data are "fertilizer years"—in general, the year beginning 1 July of the stated year. Including some technical nitrogen and anhydrous ammonia exported for further processing.<sup>b</sup> Data are for calendar years.

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Table 115  
Production of Sulfuric Acid <sup>a</sup>

	Thousand Metric Tons			
	1960	1965	1970	1971
NATO COUNTRIES.....	31,100	41,000	49,000	48,900
United States <sup>b</sup> .....	16,223	22,544	26,832	26,567
United Kingdom.....	2,745	3,358	3,348	3,456
EUROPEAN COMMUNITY.....	9,800	12,200	14,800	14,900
France.....	2,046	2,916	3,682	3,924
Italy.....	2,299	2,979	3,330	3,108
West Germany <sup>c</sup> .....	3,170	3,751	4,435	4,385
OTHER COUNTRIES				
Japan.....	4,452	5,655	6,925	6,659
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	7,890	12,800	18,100	19,300
USSR.....	5,398	8,518	12,059	12,775
Eastern Europe.....	2,500	4,230	6,080	6,550
Bulgaria.....	123	318	503	514
Czechoslovakia.....	553	933	1,110	1,162
East Germany.....	730	985	1,099	1,076
Hungary <sup>d</sup> .....	178	393	471	493
Poland.....	685	1,062	1,901	2,255
Romania.....	226	541	994	1,048
Far East				
China.....	1,350	2,200*	N.A.	N.A.
Other				
Cuba.....	44	202	N.A.	N.A.
Yugoslavia.....	130	435	747	807

\* An asterisk indicates that the data are classified.

<sup>a</sup> Pure (monohydrate) sulfuric acid (100% H<sub>2</sub>SO<sub>4</sub>).

<sup>b</sup> Including appreciable amounts produced in government-owned privately operated plants.

<sup>c</sup> Including data for West Berlin.

<sup>d</sup> Including oleum.

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Table 116

Production of Synthetic Ammonia <sup>a</sup>

Thousand Metric Tons of N

	1960	1965	1970	1971
NATO COUNTRIES.....	7,780	12,600	17,900	18,500
United States <sup>b</sup> .....	3,595	6,500	9,773	10,237
EUROPEAN COMMUNITY.....	3,420	5,030	6,580	6,720
France.....	724	1,281	1,619	1,760
Italy.....	724	1,035	1,277	1,250
Netherlands.....	410	661	1,340	N.A.
West Germany.....	1,242	1,659	1,821	1,772
OTHER COUNTRIES				
Japan <sup>b</sup> .....	1,059	1,779	2,682	2,655
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	2,150*	4,970*	N.A.	N.A.
USSR.....	1,138	3,137	6,282	6,860
Eastern Europe.....	1,020*	1,830*	N.A.	N.A.
Bulgaria.....	111	338	788	756
Czechoslovakia.....	130*	226*	N.A.	N.A.
East Germany.....	393	439	481	576
Hungary.....	67	173	414	444
Poland.....	285	440	1,189	N.A.
Romania.....	29	218	N.A.	N.A.
Far East				
North Korea.....	111*	120*	280*	310*
Other				
Yugoslavia.....	12	114	285	N.A.

\*An asterisk indicates that the data are classified.

<sup>a</sup> Unless otherwise indicated, nitrogen content of synthetic ammonia.<sup>b</sup> Synthetic anhydrous (commercial grade). To convert to actual production of synthetic ammonia, multiply by 1.2158.

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Table 117

Production of Caustic Soda <sup>a</sup>

Thousand Metric Tons

	1960	1965	1970	1971
NATO COUNTRIES.....	6,900	9,500	14,400	14,300
United States.....	4,510	6,164	9,139	8,792
EUROPEAN COMMUNITY.....	1,970	2,640	4,300	4,510
France.....	597	663	1,096	1,167
West Germany.....	776	1,178	1,681	1,773
OTHER COUNTRIES				
Japan.....	869	1,344	2,685	2,896
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	1,420	2,250	3,140	3,270
USSR.....	704	1,199	1,783	1,866
Eastern Europe.....	717	1,050	1,360	1,400
Bulgaria.....	17	32	46	48
Czechoslovakia.....	115	158	189	203
East Germany.....	327	364	413	414
Hungary <sup>b</sup> .....	17	50	69	74
Poland.....	167	215	313	318
Romania.....	74	233	330	343
Other				
Cuba.....	2*	2*	N.A.	N.A.
Yugoslavia.....	48	88	93	92

\*An asterisk indicates that the data are classified.

<sup>a</sup> Pure caustic soda (100% NaOH), including tonnage not commercialized but used on the spot for processing.<sup>b</sup> Including regenerated caustic soda.

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Table 118  
Production of Footwear <sup>a</sup>

	Million Pairs			
	1960	1965	1970	1971
NATO COUNTRIES				
United States .....	600.0	629.1	562.3	533.9
EUROPEAN COMMUNITY .....				
France .....	420	531	630	N.A.
Italy .....	153.3	170.3	174.3	193.6
West Germany .....	79.5	147.5	279.5	N.A.
USSR .....	141.4	160.0	139.9	136.6
COMMUNIST COUNTRIES				
USSR .....	419.3	486.0	675.7	679.1

<sup>a</sup> Shoes and slippers.

Table 119  
Production of Woven Cotton Fabrics <sup>a</sup>

	Unit of Measure	1960	1965	1970	1971
NATO COUNTRIES					
United States .....	Million linear meters .....	8,564	8,469	5,848	5,743
Turkey <sup>b</sup> .....	Million linear meters .....	384	781	815	830
United Kingdom <sup>b</sup> .....	Million linear meters .....	1,183	928	628	557
OTHER COUNTRIES					
India <sup>c</sup> .....	Million linear meters .....	6,629	7,643	7,689	7,160
Japan <sup>d</sup> .....	Million square meters .....	3,221	3,013	2,616	2,484
Pakistan <sup>b e</sup> .....	Million linear meters .....	575	658	720	N.A.
COMMUNIST COUNTRIES					
USSR <sup>b d</sup> .....	Million linear meters .....	6,387	7,077	7,482	7,717
Eastern Europe					
Bulgaria <sup>d</sup> .....	Million linear meters .....	218	291	319	326
Czechoslovakia .....	Million linear meters .....	464	500	527	552
East Germany .....	Million square meters .....	254	244	248	N.A.
Hungary <sup>d</sup> .....	Million square meters .....	225	305	258	268
Poland <sup>d</sup> .....	Million linear meters .....	667	811	881	906
Romania <sup>d</sup> .....	Million square meters .....	248	319	437	481
Far East					
China .....	Million linear meters .....	5,800	5,400	7,500	7,500
Other					
Yugoslavia .....	Million square meters .....	257	394	390	390

<sup>a</sup> Unless otherwise indicated, data are for fabrics, in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up.

<sup>b</sup> Excluding mixed fabrics.

<sup>c</sup> Mill and decentralized sector production.

<sup>d</sup> Fabrics after undergoing finishing processes.

<sup>e</sup> Mill production only. Data include finished fabrics.

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Table 120

Production of Woven Woolen Fabrics <sup>a</sup>

	Unit of Measure	1960	1965	1970	1971
<b>NATO COUNTRIES</b>					
United States.....	Million linear meters.....	262	244	163	104
Canada <sup>b</sup> <sup>c</sup> .....	Million linear meters.....	14	15	12	10
Netherlands.....	Million square meters.....	68	67	N.A.	N.A.
Turkey <sup>d</sup> .....	Million linear meters.....	10	24	23	24
United Kingdom <sup>b</sup> .....	Million square meters.....	307	270	215	186
<b>OTHER COUNTRIES</b>					
Australia <sup>e</sup> .....	Million square meters.....	25	20	18	16
India <sup>f</sup> .....	Million linear meters.....	8	10	13	15
Japan <sup>g</sup> .....	Million square meters.....	316	341	426	424
<b>COMMUNIST COUNTRIES</b>					
USSR <sup>b</sup> <sup>d</sup> .....	Million linear meters.....	342	365	496	515
<b>Eastern Europe</b>					
Bulgaria <sup>b</sup> .....	Million linear meters.....	19	20	27	28
Czechoslovakia.....	Million linear meters.....	46	44	49	54
East Germany.....	Million square meters.....	48	38	35	36
Hungary <sup>b</sup> .....	Million square meters.....	27	29	24	26
Poland <sup>b</sup> .....	Million linear meters.....	79	91	99	99
Romania <sup>b</sup> .....	Million square meters.....	32	41	63	70
<b>Other</b>					
Yugoslavia.....	Million square meters.....	46	54	42	59

<sup>a</sup> Unless otherwise indicated, data are for woven woolen and worsted fabrics (in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up) and for mixed woolen fabrics.

<sup>b</sup> Fabrics after undergoing finishing processes.

<sup>c</sup> Factory shipments.

<sup>d</sup> Excluding mixed fabrics.

<sup>e</sup> Twelve months ending 30 June of the stated year.

<sup>f</sup> Wearable fabrics produced in the mill sector only.

<sup>g</sup> Including finished fabrics.

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Table 121

Production of Woven Rayon and Acetate Fabrics <sup>a</sup>

	Unit of Measure	1960	1965	1970	1971
<b>NATO COUNTRIES</b>					
United States.....	Million linear meters.....	1,312	1,650	1,224	N.A.
United Kingdom <sup>b</sup> .....	Million linear meters.....	564	572	485	467
<b>OTHER COUNTRIES</b>					
India <sup>b</sup> .....	Million linear meters.....	550	870	934	N.A.
Japan <sup>c</sup> .....	Million square meters.....	1,828	1,653	1,548	1,428
<b>COMMUNIST COUNTRIES</b>					
USSR <sup>b d</sup> .....	Million linear meters.....	753	900	1,204	1,234
<b>Eastern Europe</b>					
Bulgaria <sup>b d e</sup> .....	Million linear meters.....	11	15	21	24
Czechoslovakia.....	Million linear meters.....	58	59	86	N.A.
East Germany.....	Million square meters.....	57	55	66	65
Hungary <sup>d</sup> .....	Million square meters.....	25	32	46	47
Poland <sup>d</sup> .....	Million linear meters.....	103	103	116	114
Romania <sup>d</sup> .....	Million square meters.....	22	26	36	41
<b>Other</b>					
Yugoslavia <sup>b</sup> .....	Million square meters.....	19	24	29	34

<sup>a</sup> Unless otherwise indicated, data are for pure and mixed fabrics, in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up.

<sup>b</sup> Including fabrics of noncellulosic fibers.

<sup>c</sup> Including finished fabrics.

<sup>d</sup> Fabrics after undergoing finishing processes.

<sup>e</sup> Including fabrics of natural silk.

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Table 122

Production of Synthetic Fibers <sup>a</sup>

Thousand Metric Tons

	1960	1965	1970	1971
<b>NATO COUNTRIES</b>				
United States.....	307.2	806.0	1,626.7	1,946.4
Canada.....	17.0	37.5	73.0	N.A.
France.....	45.3	87.1	175.2	213.0
Italy.....	33.7	110.7	251.4	299.9
United Kingdom.....	61.0 <sup>b</sup>	148.0 <sup>b</sup>	336.9	355.3
West Germany.....	52.3	179.3 <sup>c</sup>	497.0 <sup>c</sup>	580.0 <sup>c</sup>
<b>OTHER COUNTRIES</b>				
Japan.....	118.3	379.6	1,016.4	1,166.4
Spain.....	3.1	14.8	78.8	88.3
<b>COMMUNIST COUNTRIES</b>				
USSR.....	15.0	77.5	166.6	203.1
Bulgaria.....	0	0	23.1	N.A.
Czechoslovakia.....	3.0	9.6	21.2	27.0
East Germany.....	7.8	18.9	47.6	56.6
Hungary.....	0.4	2.3	5.6	5.1
Poland.....	8.0	24.3	57.5	68.6
Romania.....	0.9	3.3	29.5	37.0
Yugoslavia.....	N.A.	N.A.	8.7	11.4

<sup>a</sup> Data are for noncellulosic fibers either made of natural polymers, which are based on materials such as casein or groundnuts, or made of synthetic polymers, which are based mostly on coal or petroleum. Data exclude waste, glass fibers, and rubber fibers.

<sup>b</sup> "Delivery weight," approximately 3% less than "actual weight."

<sup>c</sup> Including data for West Berlin.

Table 123

Production of Electric Motors <sup>a</sup>

Thousand Kilowatts

	1960	1965	1970	1971
<b>COMMUNIST COUNTRIES</b>				
USSR <sup>b</sup> .....	17,597	26,890	33,319	35,287
Bulgaria.....	919	2,864	4,194	3,760
Czechoslovakia.....	2,952	4,176	4,016	N.A.
Poland.....	2,362	4,486	7,429	7,391
Romania.....	559	1,255	2,834	N.A.

<sup>a</sup> Unless otherwise indicated, data are for alternating and direct current motors.

<sup>b</sup> Alternating current motors of 0.25 kilowatt and over.

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Table 124

Production of Metalcutting Machine Tools <sup>a</sup>

Thousand Units

	1960	1965	1970	1971
United States.....	42.91	68.01	49.31	32.49
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	246	286	321	N.A.
USSR.....	155.92	186.13	202.26	206.00
Eastern Europe.....	89.8	99.8	119	N.A.
Bulgaria.....	3.15	8.06	13.91	17.17
Czechoslovakia.....	30.23	24.33	35.15	N.A.
East Germany.....	22.07	19.71	16.53	N.A.
Hungary.....	7.40	9.40	9.50	10.19
Poland.....	22.50	31.10	29.73	33.01
Romania.....	4.44	7.16	14.14	17.80
Far East				
North Korea.....	2.9	4.0	10.4	23.0
North Vietnam.....	0.65	0.50	N.A.	N.A.

<sup>a</sup> Power-driven metalcutting machines that are not portable by hand and are used to remove metal in the form of chips; these machines include lathes and planers, and milling, honing, lapping, grinding, electroerosion, and ultrasonic cutting machines.

Table 125

Production of Metalforming Machine Tools <sup>a</sup>

Thousand Units

	1960	1965	1970	1971
United States <sup>b</sup> .....	31.3	44.0	58.3 <sup>c</sup>	50.3 <sup>c</sup>
USSR.....	29.9	34.6	41.3	42.3

<sup>a</sup> Power-driven metalforming machine tools that are not supported in the hands of an operator when in use and are designed to press, forge, emboss, hammer, extrude, blank, spin, shear, or bend metal into shape.

<sup>b</sup> Unless otherwise indicated, data exclude manually operated bending and forming machines, spinning lathes, and riveting, canmaking, diecasting, wire-weaving, wiredrawing, knurling, and marking machines, which usually are included in the definition of metalforming machine tools by the US Department of Commerce.

<sup>c</sup> Including manually operated bending and forming machines for which separate data are not available.

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Table 126

Production of Electric Generators <sup>a</sup>

	Thousand Kilowatts			
	1960	1965	1970	1971
United States <sup>b</sup> .....	12,899	15,451	27,565	36,548
COMMUNIST COUNTRIES				
USSR.....	7,915	14,390	10,578	13,354
Bulgaria.....	29	13	37	N.A.
Czechoslovakia <sup>c</sup> .....	1,391	888	1,488	N.A.
Hungary <sup>c</sup> .....	347	416	590	N.A.
Romania.....	83	295	747	N.A.

<sup>a</sup> Turbogenerators and hydrogenerators. Production of diesel generators is believed to be negligible in most instances.

<sup>b</sup> Shipments of units 4,000 kilowatts and larger.

<sup>c</sup> Generators for steam and gas turbines only.

Table 127

Production of Turbines <sup>a</sup>

	Thousand Kilowatts			
	1960	1965	1970	1971
United States <sup>b</sup> .....	12,899	15,451	27,565	36,548
Japan.....	1,949	4,717	16,601	14,600
COMMUNIST COUNTRIES				
USSR <sup>c</sup> .....	9,200	14,625	16,191	16,800
Czechoslovakia.....	1,555	1,994	2,239	N.A.
Poland <sup>d</sup> .....	186	471	1,135	N.A.
Romania <sup>e</sup> .....	98	27	121	N.A.

<sup>a</sup> Unless otherwise indicated, data are for steam and hydraulic turbines. Most production of turbines is for use in matched sets with generators for production of electric power. In addition, turbines are produced in single units for many purposes, including direct industrial drives, marine propulsion, and pipeline transmission.

<sup>b</sup> Shipments of units of 4,000 kilowatts and larger. Data are available only for turbines produced as integral units together with generators. Therefore, data for turbines and generators for the United States are assumed to be the same. Some turbines are produced in single units but no data are available on this production.

<sup>c</sup> Including a small number of gas turbines.

<sup>d</sup> Steam turbines only.

<sup>e</sup> Steam turbines of more than 500 kilowatts only.

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Table 128

Production of Digital Computers <sup>a</sup>

	Units			
	1960	1965	1970	1971
NATO COUNTRIES				
United States.....	1,200	7,000	18,000	20,000
France.....	N.A.	200	700	800
United Kingdom.....	70	200	500	600
West Germany.....	N.A.	N.A.	500	600
OTHER COUNTRIES				
Japan.....	30	320	1,000	1,500
COMMUNIST COUNTRIES				
USSR.....	280*	470*	800*	1,000*
Eastern Europe				
Czechoslovakia.....	0*	0*	30*	40*
East Germany.....	15*	0*	100*	80*
Poland.....	15*	20*	60*	70*
Far East				
China.....	5*	35*	40*	45*

\*An asterisk indicates that the data are classified.

<sup>a</sup> Estimates of this Office based on fragmentary market surveys and installations reports. No attempt has been made to standardize these units in terms of either value or computational capability. Total production of digital computers through 1971, including years not mentioned above, is as follows (in units): the United States, 130,000; France, 3,900; the United Kingdom, 4,000; West Germany, 3,000; Japan, 7,700; the USSR, 7,000; Czechoslovakia, 130; East Germany, 330; Poland, 330; and China, 345.

Table 129

Total Housing Construction <sup>a</sup>

Thousand Square Meters

	1960	1965	1970	1971
United States <sup>b</sup> .....	144,000	158,000	148,000	209,000
COMMUNIST COUNTRIES				
USSR.....	109,600	97,600	106,000	108,300
Bulgaria.....	2,797	2,745	2,911	2,926
Czechoslovakia.....	4,994	5,087	8,339	N.A.
East Germany <sup>c</sup> .....	4,089	3,465	4,186	4,330
Hungary.....	3,335	3,303	4,938	4,800
Poland.....	8,071	8,354	10,552	10,633
Romania <sup>c</sup> .....	4,167	3,793	8,364	N.A.
Albania <sup>d</sup> .....	201	156 <sup>e</sup>	N.A.	N.A.
Yugoslavia.....	3,664	6,417	7,535	N.A.

<sup>a</sup> Total housing space, which includes living rooms, bedrooms, dining area, and auxiliary space such as bathrooms, kitchens, closets, and inside hallways.

<sup>b</sup> Data are computed from the number of housing starts during the given years. Strictly speaking, therefore, the data on completions are more accurate for interyear comparisons than for any given year. Housing starts were converted to total floorspace by converting to square meters on the basis of varying sizes of structures.

<sup>c</sup> Living space only.

<sup>d</sup> Socialist sector only.

<sup>e</sup> Estimated.

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Table 130

Production of Cement <sup>a</sup>

Thousand Metric Tons

	1960	1965	1970	1971
<b>NATO COUNTRIES</b> .....	<b>144,000</b>	<b>188,000</b>	<b>222,000</b>	<b>232,000</b>
United States.....	56,063	65,078	67,438	72,143
Canada.....	5,338	7,665	7,275	8,318
Turkey.....	2,038	3,244	6,374	7,548
United Kingdom.....	13,501	16,972	17,057	17,892
<b>EUROPEAN COMMUNITY</b> .....	<b>61,700</b>	<b>86,400</b>	<b>111,000</b>	<b>113,000</b>
Belgium <sup>b</sup> .....	4,388	5,905	6,729	7,030
France.....	14,349	22,428	29,009	28,947
Italy.....	16,014	20,695	33,121	31,740
West Germany.....	24,905	34,133 <sup>c</sup>	38,328 <sup>c</sup>	40,548 <sup>c</sup>
<b>OTHER COUNTRIES</b>				
Brazil.....	4,474	5,873	9,002	9,372
India.....	7,845	10,578	13,956	14,920
Japan.....	22,537	32,689	57,189	59,434
Mexico.....	3,089	4,304	7,267	7,730
Spain <sup>b</sup> .....	5,234	9,361	16,536	16,960
<b>COMMUNIST COUNTRIES</b>				
USSR and Eastern Europe.....	<b>68,400</b>	<b>104,000</b>	<b>137,000</b>	<b>145,000</b>
USSR.....	45,520	72,388	95,248	100,300
Eastern Europe.....	22,900	31,800	42,100	44,600
Bulgaria.....	1,586	2,681	3,668	3,880
Czechoslovakia.....	5,051	5,713	7,402	7,941
East Germany.....	5,032	6,087	7,987	8,473
Hungary.....	1,571	2,383	2,771	2,712
Poland.....	6,599	9,573	12,180	13,100
Romania.....	3,054	5,406	8,127	8,523
Far East				
China.....	9,000*	10,900*	13,000*	14,000*- 15,000*
North Korea.....	2,285	2,400	4,000*	4,200*
North Vietnam.....	408	660	250*	345*
Other				
Albania.....	73	134	340	N.A.
Cuba.....	813	801	700	1,100
Yugoslavia.....	2,398	3,102	4,399	4,954

\* An asterisk indicates that the data are classified.

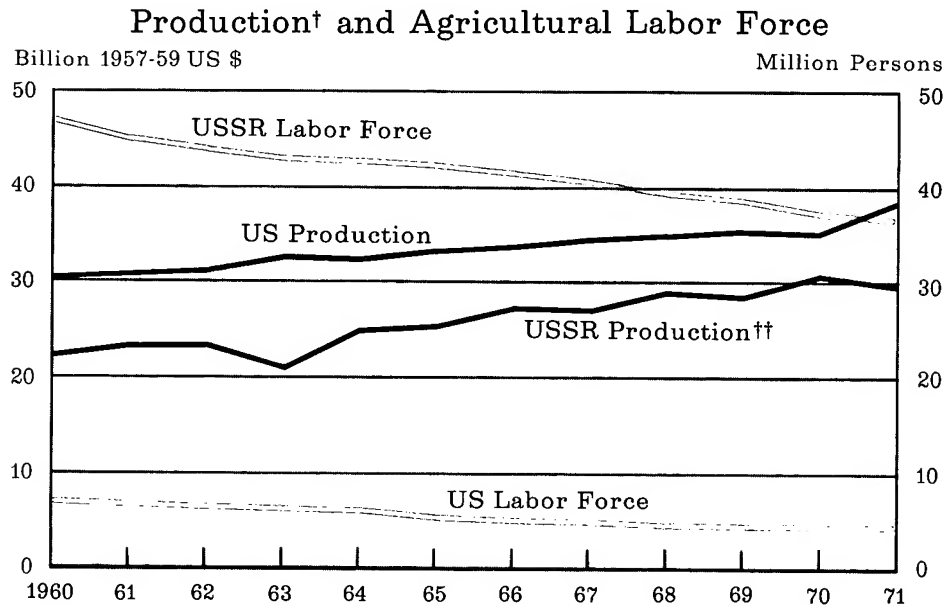
<sup>a</sup> All types of hydraulic cements used in construction.<sup>b</sup> Excluding natural cement.<sup>c</sup> Including data for West Berlin.



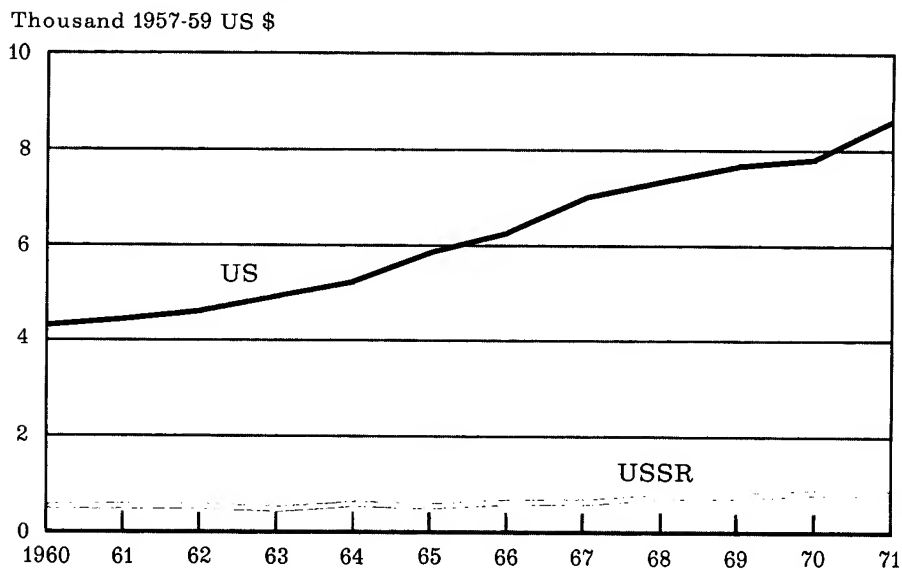
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Figure 26

## Agricultural Production in the United States and the USSR



## Production Per Farm Worker



† Value of production of crops and livestock for human use in average 1957-59 dollars.

†† The dollar value of the USSR's production reflects the geometric mean of alternative comparisons of US and USSR production computed in 1968 ruble prices and 1957-59 dollar prices.

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Table 131

Production of Grain <sup>a</sup>

Million Metric Tons

	1960	1965	1970	1971
NATO COUNTRIES.....	290	310	317	394
United States <sup>b</sup> .....	181.43	182.93	185.97	235.99
Canada.....	25.43	30.67	26.88	37.70
Turkey.....	12.15	12.64	13.68	17.30
United Kingdom.....	9.47	13.62	12.92	14.78
EUROPEAN COMMUNITY.....	52.6	59.3	65.9	74.6
France.....	22.80	28.55	30.80	35.22
Italy.....	11.99	14.50	16.05	16.36
West Germany.....	14.18	12.69	16.07	19.58
OTHER COUNTRIES				
Argentina.....	11.18	14.53	15.32	12.74
Australia.....	10.66	9.44	12.39	13.36
Brazil.....	14.80	16.91	21.55	21.50
India.....	68.33	65.47	93.96	98.68
Spain.....	7.30	8.80	10.08	13.28
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	141	153	205	215
USSR <sup>c</sup> .....	93.00	100.00	150.00	148.00
Eastern Europe.....	48.3	53.1	54.7	67.5
Bulgaria <sup>d</sup> .....	4.80	5.19	6.70	7.06
Czechoslovakia.....	5.74	5.24	7.20	8.76
East Germany <sup>e</sup> .....	6.38	6.73	6.46	7.74
Hungary <sup>d</sup> .....	6.82	7.37	7.49	9.64
Poland <sup>e f</sup> .....	14.78	16.00	16.26	19.83
Romania <sup>d</sup> .....	9.77	12.60	10.57	14.43
Far East				
China <sup>g</sup> .....	160	190-195	215-220	215-220
North Korea <sup>h</sup> .....	3.80*	4.50*	5.00*	5.50*
North Vietnam <sup>i</sup> .....	4.52	5.00	4.90	4.10
Other				
Albania <sup>d e</sup> .....	0.22	0.34	0.56	N.A.
Cuba <sup>j</sup> .....	0.41	0.07	0.39	0.21
Yugoslavia <sup>d</sup> .....	10.86	10.56	11.57	14.00

\* An asterisk indicates that the data are classified.

<sup>a</sup> Data are for the following products, where they are produced: barley, corn, oats, rice, rye, and wheat.<sup>b</sup> Including sorghum for grain.<sup>c</sup> Including miscellaneous grains and pulses.<sup>d</sup> Excluding rice.<sup>e</sup> Including miscellaneous grains.<sup>f</sup> Excluding corn.<sup>g</sup> Including kaoliang, broadpeas, and field peas. Tubers are included on a grain equivalent basis of 4 metric tons of tubers to 1 metric ton of grain.<sup>h</sup> Including soybeans and tubers on a straight weight basis.<sup>i</sup> Unhusked or paddy rice and corn, expressed in terms of paddy equivalent.<sup>j</sup> Data reflect only rice production and government collections of corn; total production is considerably higher.

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Table 132  
Production of Breadgrain (Wheat and Rye)

	Million Metric Tons			
	1960	1965	1970	1971
<b>NATO COUNTRIES</b> .....	<b>95.2</b>	<b>105</b>	<b>96.9</b>	<b>118</b>
United States.....	37.78	36.65	38.28	45.91
Canada.....	14.34	18.08	9.59	14.88
France.....	11.44	15.15	13.20	15.39
Italy.....	6.90	9.86	9.70	10.12
Turkey.....	7.67	8.13	8.68	11.40
United Kingdom.....	3.07	4.19	4.19	4.84
West Germany.....	8.74	7.17	8.33	10.17
<b>OTHER COUNTRIES</b>				
Argentina.....	4.59	6.44	4.37	5.45
Australia.....	7.47	7.08	7.89	8.45
India <sup>a</sup> .....	10.25	12.29	20.09	23.25
Spain.....	3.92	5.06	4.32	5.65
<b>COMMUNIST COUNTRIES</b>				
<b>USSR and Eastern Europe</b> .....	<b>83.3</b>	<b>91.8</b>	<b>118</b>	<b>126</b>
USSR.....	59.00	62.00	91.00	91.00
Eastern Europe.....	24.3	29.8	26.6	34.8
Bulgaria.....	2.46	2.97	3.06	3.08
Czechoslovakia.....	2.40	2.81	3.63	4.45
East Germany.....	3.58	3.71	3.62	4.24
Hungary.....	2.12	2.73	2.87	4.10
Poland.....	10.18	11.54	10.04	13.29
Romania.....	3.55	6.06	3.40	5.64
<b>Other</b>				
Albania.....	0.07	0.13	0.23	N.A.
Yugoslavia.....	3.80	3.62	3.92	5.74

<sup>a</sup> Wheat only.

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Table 133

## Production of Coarse Grain (Barley, Corn, and Oats)

Million Metric Tons

	1960	1965	1970	1971
<b>NATO COUNTRIES</b> .....	<b>191</b>	<b>201</b>	<b>215</b>	<b>270</b>
United States <sup>a</sup> .....	141.17	142.82	143.94	186.25
Canada.....	11.09	12.58	17.29	22.82
Denmark <sup>b</sup> .....	3.48	4.90	5.44	6.18
France.....	11.26	13.31	17.50	19.75
Italy.....	4.48	4.13	5.53	5.34
Turkey.....	4.34	4.35	4.76	5.65
United Kingdom <sup>b</sup> .....	6.40	9.42	8.73	9.94
West Germany.....	5.44	5.51	7.74	9.40
<b>OTHER COUNTRIES</b> .....				
Argentina.....	6.44	7.92	10.66	6.98
Brazil.....	9.04	10.06	13.50	14.50
India.....	6.73	7.16	10.13	9.36
Mexico.....	5.69	7.75	8.98	9.33
South Africa.....	4.97	5.19	8.74	9.22
Spain.....	3.01	3.39	5.37	7.22
<b>COMMUNIST COUNTRIES <sup>c</sup></b> .....				
USSR and Eastern Europe.....	<b>58.0</b>	<b>60.3</b>	<b>86.1</b>	<b>88.7</b>
USSR <sup>d</sup> .....	34.0	37.0	58.0	56.0
Eastern Europe.....	<b>24.0</b>	<b>23.3</b>	<b>28.1</b>	<b>32.7</b>
Bulgaria <sup>e</sup> .....	2.34	2.22	3.64	3.99
Czechoslovakia <sup>e</sup> .....	3.34	2.42	3.57	4.31
East Germany.....	2.80	3.02	2.84	3.50
Hungary <sup>e</sup> .....	4.69	4.64	4.62	5.54
Poland <sup>b</sup> .....	4.58	4.50	6.22	6.54
Romania <sup>e</sup> .....	6.22	6.54	7.17	8.79
Far East				
North Vietnam <sup>f</sup> .....	0.21	0.29	0.24	0.24
Other				
Albania.....	0.14	0.21	N.A.	N.A.
Cuba <sup>g</sup> .....	0.10	0.02	0.03	0.02
Yugoslavia <sup>e</sup> .....	7.06	6.94	7.64	8.22

<sup>a</sup> Including sorghum for grain.<sup>b</sup> Excluding corn.<sup>c</sup> Unless otherwise indicated, data include miscellaneous grains.<sup>d</sup> Including pulses.<sup>e</sup> Excluding miscellaneous grain.<sup>f</sup> Corn only.<sup>g</sup> Data reflect government collections only; total production is considerably higher.

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Table 134

Production of Rice <sup>a</sup>

Thousand Metric Tons

	1960	1965	1970	1971
NATO COUNTRIES.....	3,540	4,480	5,190	5,320
United States.....	2,476	3,460	3,758	3,820
Italy.....	622	509	819	900
OTHER COUNTRIES				
Brazil.....	5,392 <sup>b</sup>	6,600	6,315	5,000
Burma.....	7,575	8,055	8,128	8,250
India.....	51,348 <sup>b</sup>	46,029 <sup>b</sup>	63,736	66,066
Indonesia.....	12,849	13,700	23,064	24,454
Japan.....	16,074 <sup>b</sup>	15,511 <sup>b</sup>	15,861	13,570
Pakistan.....	16,068 <sup>b</sup>	17,742 <sup>b</sup>	20,034	18,994
South Korea.....	3,127	4,767	5,571	5,800
South Vietnam.....	4,955	4,822	5,715	6,200
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	313	684	1,460	1,620
USSR.....	187	583	1,280	1,420
Eastern Europe.....	126	101	176	205
Bulgaria.....	32	34	66	65
Hungary.....	45	21	45	67
Romania.....	49	46	65	73
Far East				
North Vietnam.....	4,212	4,600	4,500	3,700
Other				
Albania.....	5	10	15	N.A.
Cuba.....	306	50	360	190
Yugoslavia.....	22	25	32	38

<sup>a</sup> Rough, or paddy, rice. Data refer to crops harvested in the last half of the year stated combined with crops harvested in the first half of the following year.

<sup>b</sup> Estimated from planted acreage.

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Table 135

Production of Potatoes <sup>a</sup>

Million Metric Tons

	1960	1965	1970	1971
NATO COUNTRIES.....	77.4	65.3	66.2	64.6
United States.....	11.68	13.15	14.77	14.40
Belgium <sup>b</sup> .....	2.05	1.42	1.66	1.67
Canada.....	2.06	2.11	2.50	2.47
France.....	15.89	11.07	8.89	9.22
Italy.....	3.82	3.55	3.67	3.63
Netherlands.....	3.97	3.24	5.65	5.74
Turkey.....	1.40	1.68	1.92	2.10
United Kingdom.....	7.27	7.58	7.00	6.98
West Germany.....	24.54	18.09	16.25	15.18
OTHER COUNTRIES				
Argentina.....	1.86	2.49	2.34	2.06
Brazil.....	1.11	1.25	1.58	1.65
Japan.....	3.59	4.06	3.67	3.32
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	148	152	169	151
USSR.....	84.37	88.68	96.78	92.30
Eastern Europe.....	63.9	63.2	72.0	59.0
Bulgaria.....	0.48	0.28	0.37	0.39
Czechoslovakia.....	5.09	3.68	4.79	4.51
East Germany.....	14.82	12.86	13.05	9.41
Hungary.....	2.66	1.48	1.43	1.49
Poland.....	37.86	42.66	50.30	39.93
Romania.....	3.01	2.20	2.06	3.30
Far East				
North Vietnam <sup>c</sup> .....	0.92	1.97	1.88	1.88
Other				
Albania.....	0.02	0.02	0.15	N.A.
Cuba <sup>d</sup> .....	0.09	0.08	0.09	N.A.
Yugoslavia.....	3.27	2.38	2.96	2.95

<sup>a</sup> Unless otherwise indicated, data are for Irish potatoes.<sup>b</sup> Including data for Luxembourg.<sup>c</sup> Sweet potatoes and manioc.<sup>d</sup> Data reflect government collections only; the total production is considerably higher.

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Table 136

Production of Meat <sup>a</sup>

Thousand Metric Tons

	1960	1965	1970	1971
NATO COUNTRIES.....	24,700	28,100	31,800	33,200
United States.....	12,795	14,304	16,446	17,138
Canada <sup>b</sup> .....	1,114	1,327	1,480	1,574
United Kingdom.....	1,718	2,019	2,120	2,217
EUROPEAN COMMUNITY <sup>b</sup> .....	7,490	8,670	9,690	10,200
France.....	2,613	3,244	2,993	3,156
Italy.....	1,104	1,085	1,363	1,431
Netherlands.....	704	794	1,014	1,083
West Germany.....	2,617	3,074	3,596	3,767
OTHER COUNTRIES				
Argentina.....	2,263	2,445 <sup>b</sup>	3,065 <sup>b</sup>	2,498 <sup>b</sup>
Australia.....	1,359	1,743	1,940	2,054
Brazil.....	1,872	2,039 <sup>b</sup>	2,338 <sup>b</sup>	2,502 <sup>b</sup>
Japan <sup>b</sup> .....	322	640	920	1,035
Mexico.....	655	812 <sup>b</sup>	935 <sup>b</sup>	984 <sup>b</sup>
New Zealand.....	748	797	999	978
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	8,980*	10,700*	12,700*	13,400*
USSR.....	5,602	6,704	8,167	8,762
Eastern Europe.....	3,380*	4,040*	4,490*	4,670*
Bulgaria.....	174*	278*	266*	286*
Czechoslovakia.....	483*	599*	638*	687*
East Germany.....	730*	886*	994*	1,015*
Hungary <sup>c</sup> .....	430	476	525*	623*
Poland <sup>d</sup> .....	1,148*	1,334*	1,478*	1,480*
Romania.....	414*	462*	590*	580*
Other				
Albania.....	20	20	N.A.	N.A.
Yugoslavia <sup>c</sup> .....	522	639	703	N.A.

\* An asterisk indicates that the data are classified.

<sup>a</sup> Data are on a carcass weight, bone-in basis, and are for beef, veal, pork, mutton, lamb, and goat where they are produced. Unless otherwise indicated, data exclude horsemeat, rabbit, poultry, game, edible offal, and lard.<sup>b</sup> Including horsemeat.<sup>c</sup> Including horsemeat and live exports.<sup>d</sup> Including horsemeat and edible offal.

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Table 137

Production of Milk <sup>a</sup>

Thousand Metric Tons

	1960	1965	1970	1971
<b>NATO COUNTRIES.....</b>	<b>149,000</b>	<b>154,000</b>	<b>154,000</b>	<b>155,000</b>
United States.....	55,702	56,324	53,268	53,841
Canada.....	8,385	8,328	8,272	8,064
United Kingdom.....	12,670	11,386 <sup>b</sup>	12,374 <sup>b</sup>	12,709 <sup>b</sup>
<b>EUROPEAN COMMUNITY.....</b>	<b>62,500</b>	<b>68,500</b>	<b>70,500</b>	<b>70,700</b>
France.....	22,652	26,771	27,245	27,554
Italy.....	9,648	9,184	8,936	9,072
Netherlands.....	6,838	7,142	8,239	8,376
West Germany.....	19,250	21,253	21,856	21,478
<b>COMMUNIST COUNTRIES</b>				
USSR and Eastern Europe.....	<b>82,600</b>	<b>96,900</b>	<b>111,000</b>	<b>111,000</b>
USSR.....	55,500	68,200	78,000	78,300
Eastern Europe.....	<b>27,100</b>	<b>28,700</b>	<b>32,700</b>	<b>32,900</b>
Bulgaria.....	744	1,000	1,250	1,288
Czechoslovakia <sup>c</sup> .....	3,830	3,924	4,789	4,885
East Germany <sup>d</sup> .....	5,730	6,371	7,091	7,150
Hungary <sup>c</sup> .....	1,957	1,762	1,861	1,751
Poland.....	12,488	13,330	14,935	15,038
Romania.....	2,356	2,302	2,752	2,790
Other				
Albania.....	44	47	17	17
Cuba.....	742	620	580	550
Yugoslavia.....	2,280	2,303	2,567	2,578

<sup>a</sup> Whole milk from cows.<sup>b</sup> Total sales off-farm.<sup>c</sup> Including milk sucked by young animals.<sup>d</sup> In terms of 3.5% butter-fat content.

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Table 138  
Production of Sugar <sup>a</sup>

Thousand Metric Tons

	1960	1965	1970	1971
NATO COUNTRIES.....	12,000	13,200	14,800	16,200
United States <sup>b</sup> .....	3,637	4,871	5,327	5,278
United Kingdom.....	860	973	925	1,055
EUROPEAN COMMUNITY.....	6,320	6,250	7,290	8,270
France.....	2,267	2,377	2,696	3,120
Italy.....	998	1,241	1,202	1,228
West Germany.....	1,877	1,601	2,075	2,301
OTHER COUNTRIES <sup>c</sup>				
Australia.....	1,441	2,073	2,507	2,732
Brazil.....	3,319	4,614	5,019	5,124
India.....	2,814	3,493	4,634	4,083
Mexico.....	1,530	2,107	2,402	2,387
Philippines.....	1,398	1,659	1,980	2,171
South Africa.....	952	1,014	1,649	1,720
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	11,100	16,200	15,300	14,100
USSR <sup>d</sup> .....	6,916	11,997	11,110	9,810
Eastern Europe.....	4,210	4,240	4,160	4,300
Bulgaria <sup>d</sup> .....	186	342	403	427
Czechoslovakia <sup>d</sup> .....	958	874	951	837
East Germany <sup>d</sup> .....	739	619	587	550
Hungary <sup>d</sup> .....	414	465	304	262
Poland.....	1,484	1,505	1,505	1,701
Romania <sup>d</sup> .....	425	437	409	523
Far East				
China <sup>b</sup> .....	920	1,500	1,650	1,600
Other				
Albania.....	15	16	N.A.	N.A.
Cuba <sup>e f</sup> .....	5,862	6,220	8,530	5,930
Yugoslavia.....	289	369	382	420

<sup>a</sup> Unless otherwise indicated, data are for beet sugar produced in the calendar year. Data are given in terms of the raw value of centrifugal sugar. Refined sugar is equal to approximately 92% of raw sugar by weight. Centrifugal, as distinguished from noncentrifugal, sugar includes cane and beet sugar produced by the centrifugal process and is the principal type of sugar moving in international trade.

<sup>b</sup> Including cane sugar.

<sup>c</sup> Cane sugar only.

<sup>d</sup> Including raw cane sugar imported for refining.

<sup>e</sup> Raw cane sugar of 96° polarization.

<sup>f</sup> Crop years ending 30 June of the stated year.

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Table 139

Fish Catch <sup>a</sup>

Thousand Metric Tons

	1960	1965	1970	1971
<b>NATO COUNTRIES</b> .....	<b>10,100</b>	<b>12,300</b>	<b>13,000</b>	<b>N.A.</b>
United States.....	2,814.7	2,669.3	2,714.3	N.A.
Canada.....	934.5	1,262.3	1,377.5	1,221.0
Denmark.....	581.2	840.8	1,226.5	N.A.
Norway.....	1,543.0	2,307.3	2,980.2	N.A.
United Kingdom.....	923.8	1,047.3	1,099.0	1,080.0
<b>OTHER COUNTRIES</b>				
Chile <sup>b</sup> .....	339.6	708.5	1,161.0	1,100.0
India.....	1,161.4	1,331.3	1,745.9	1,850.0
Indonesia.....	760.7	1,066.8	1,249.0	1,664.0
Japan.....	6,192.7	6,907.7	9,308.5	N.A.
Peru.....	3,569.1	7,631.9	12,612.8	10,590.0
South Africa.....	863.8	1,234.5	1,519.4	N.A.
Spain.....	969.9	1,340.5	1,496.6	N.A.
Thailand.....	220.9	615.1	1,448.4	1,445.0
<b>COMMUNIST COUNTRIES</b>				
USSR and Eastern Europe.....	<b>3,900</b>	<b>6,400</b>	<b>8,880</b>	<b>N.A.</b>
USSR <sup>c</sup> .....	3,541.2	5,774.1	7,900.1	7,811
Eastern Europe.....	358	628	981	N.A.
Bulgaria <sup>d</sup> .....	7.9	17.3	84.1	97.1
Czechoslovakia.....	8.8	11.0	13.0	N.A.
East Germany.....	114.4	229.4	319.3	331.5
Hungary.....	14.9	24.8	26.0	N.A.
Poland.....	186.7	300.9	476.4	498.1
Romania.....	25.0	44.3	62.3	74.7
Far East				
North Korea.....	465.0	785.0	N.A.	N.A.
Other				
Albania.....	2.6	4.3	N.A.	N.A.
Cuba.....	31.2	40.3	106.0	126.0
Yugoslavia.....	30.9	41.9	45.0	N.A.

<sup>a</sup> Unless otherwise indicated, data are in terms of live weight for all species of fish and seaweed, crustaceans, and mollusks, but exclude aquatic mammals.

<sup>b</sup> Including quantities landed by foreign fishing craft in Chilean ports.

<sup>c</sup> Including aquatic mammals.

<sup>d</sup> Commercial catch only.

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Table 140  
Number of Cattle <sup>a</sup>

	Million Head			
	1960	1965	1971	1972
<b>NATO COUNTRIES</b> .....	<b>186</b>	<b>202</b>	<b>210</b>	<b>213</b>
United States.....	96.24	109.00	114.47	117.92
Canada.....	10.39	12.13	12.22	12.63
Turkey <sup>b</sup> .....	14.30	14.41	13.87	13.60
United Kingdom.....	11.48	11.69	12.44	12.93
<b>EUROPEAN COMMUNITY</b> .....	<b>46.5</b>	<b>48.6</b>	<b>51.3</b>	<b>50.7</b>
France.....	18.74	20.24	21.74	21.80
Italy <sup>b</sup> .....	9.40	9.23	8.77	8.63
West Germany.....	12.48	13.05	14.03	13.64
<b>OTHER COUNTRIES</b>				
Argentina.....	43.51	46.79	49.79	50.30
Australia.....	16.50	18.82	24.37	26.50
Brazil.....	72.89	84.25	97.86	105.00
Colombia.....	15.10	16.50	21.17	21.80
Mexico.....	17.67	21.98	26.08	26.83
South Africa.....	12.30	12.44	12.56	N.A.
<b>COMMUNIST COUNTRIES</b>				
USSR and Eastern Europe.....	<b>99.3</b>	<b>114</b>	<b>127</b>	<b>131</b>
USSR.....	74.16	87.17	99.22	102.43
Eastern Europe.....	<b>25.2</b>	<b>26.6</b>	<b>28.1</b>	<b>29.0</b>
Bulgaria.....	1.28	1.47	1.28	1.38
Czechoslovakia.....	4.30	4.44	4.29	4.35
East Germany <sup>c</sup> .....	4.46 <sup>d</sup>	4.68	5.19	5.29
Hungary.....	1.97 <sup>e</sup>	1.94	1.91	1.88
Poland.....	8.70 <sup>f</sup>	9.35	10.22	10.56
Romania.....	4.45	4.76	5.22	5.53
Far East				
North Korea.....	0.67	0.69*	N.A.	N.A.
North Vietnam <sup>b</sup> .....	2.40	2.38	N.A.	N.A.
Other				
Albania <sup>b</sup> .....	0.43	0.43	N.A.	N.A.
Cuba.....	5.76	6.61*	N.A.	N.A.
Yugoslavia.....	5.30	5.22	5.14	5.17

\* An asterisk indicates that the data are classified.

<sup>a</sup> Unless otherwise indicated, data are as of the beginning of the year.

<sup>b</sup> Including buffalo.

<sup>c</sup> Unless otherwise indicated, as of 30 November of the previous year.

<sup>d</sup> As of 3 December of the previous year.

<sup>e</sup> As of March of the stated year.

<sup>f</sup> As of 30 June of the stated year.

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Table 141  
Number of Hogs <sup>a</sup>

	Million Head			
	1960	1965	1971	1972
<b>NATO COUNTRIES</b> .....	<b>112</b>	<b>113</b>	<b>146</b>	<b>141</b>
United States.....	59.03	50.79	67.45	62.97
Canada.....	6.05	5.60	7.70	7.24
Denmark.....	6.20	8.20	8.73	8.73
United Kingdom.....	6.01	7.94	8.55	8.92
<b>EUROPEAN COMMUNITY</b> .....	<b>31.9</b>	<b>38.1</b>	<b>51.6</b>	<b>51.2</b>
France.....	8.36	9.04	11.31	11.45
Italy.....	4.15	5.41	8.98	9.12
West Germany.....	14.87	18.15	20.97	19.98
<b>OTHER COUNTRIES</b>				
Brazil.....	46.82	58.70	66.46	73.00
Japan.....	1.92	3.98	6.90	7.10
Mexico.....	5.99	9.09	11.72	11.96
Philippines.....	8.15	10.51	12.50	13.50
Spain.....	5.38	4.02	6.92	N.A.
<b>COMMUNIST COUNTRIES</b>				
USSR and Eastern Europe.....	<b>91.9</b>	<b>97.6</b>	<b>113</b>	<b>122</b>
USSR.....	53.37	52.84	67.48	71.39
Eastern Europe.....	<b>38.5</b>	<b>44.8</b>	<b>45.1</b>	<b>51.0</b>
Bulgaria.....	2.27	2.61	2.37	2.81
Czechoslovakia.....	5.69	6.14	5.53	5.94
East Germany <sup>b</sup> .....	8.28 <sup>c</sup>	8.76	9.68	9.99
Hungary.....	5.36 <sup>d</sup>	7.04	7.31	7.59
Poland.....	12.62 <sup>e</sup>	14.20	13.86	16.91
Romania.....	4.30	6.03	6.36	7.74
Far East				
North Korea.....	1.12	1.21*	N.A.	N.A.
North Vietnam.....	3.63	4.48	N.A.	N.A.
Other				
Albania.....	0.12	0.15	N.A.	N.A.
Cuba.....	1.72	1.75*	N.A.	N.A.
Yugoslavia.....	6.21	6.98	6.56	6.18

\* An asterisk indicates that the data are classified.

<sup>a</sup> Unless otherwise indicated, data are as of the beginning of the year.

<sup>b</sup> Unless otherwise indicated, as of 30 November of the previous year.

<sup>c</sup> As of 3 December of the previous year.

<sup>d</sup> As of March of the stated year.

<sup>e</sup> As of 30 June of the stated year.

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Table 142

## Production of Ginned Cotton

Thousand Metric Tons

	1960	1965	1970	1971
<b>NATO COUNTRIES <sup>a</sup></b>	<b>3,340</b>	<b>3,660</b>	<b>2,720</b>	<b>2,910</b>
United States.....	3,107.3	3,259.9	2,213.3	2,296.5
Greece.....	62.7	74.0	110.0	117.6
Turkey.....	168.7	326.6	399.5	489.9
<b>OTHER COUNTRIES <sup>a</sup></b>				
Argentina.....	123.9	104.5	87.1	125.2
Brazil.....	424.6	544.3	489.9	685.8
Egypt.....	478.1	518.2	508.4	479.0
India.....	1,008.0	1,001.5	958.0	1,088.6
Iran.....	99.3	141.1	150.2	130.6
Mexico.....	457.2	571.5	313.5	366.9
Pakistan.....	304.4	416.9	528.0	622.7
Sudan.....	114.3	159.2	251.7	250.4
Syria.....	111.2	179.6	149.1	152.4
<b>COMMUNIST COUNTRIES</b>				
USSR and Eastern Europe.....	<b>1,480</b>	<b>1,940</b>	<b>2,360</b>	<b>2,410</b>
USSR.....	1,458.0	1,925.0	2,343.0	2,401.0
Eastern Europe.....	21.1	12.6	12.5	13.3
Bulgaria.....	21.1	12.6	12.5	13.3
Far East				
China.....	1,280.0	1,500.0	1,660.0	1,600.0
Other				
Albania.....	5.4	8.1	N.A.	N.A.
Cuba.....	7.2	0.8	N.A.	N.A.
Yugoslavia.....	2.4	1.7	4.2	4.4

<sup>a</sup> Data are for the crop year beginning 1 August of the stated year.

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Table 143

Production of Wool <sup>a</sup>

	Thousand Metric Tons			
	1960	1965	1970	1971
<b>NATO COUNTRIES</b> .....	<b>327</b>	<b>288</b>	<b>244</b>	<b>239</b>
United States.....	146.3	109.4	84.7	81.7
France.....	29.5	27.7	20.4	21.0
Turkey.....	47.4	43.0	47.5	48.0
United Kingdom.....	55.0	58.6	44.5	41.7
<b>OTHER COUNTRIES</b>				
Argentina.....	221.1	211.0	191.9	190.0
Australia.....	740.3	754.2	877.6	877.2
Brazil.....	23.0	35.5	40.0	40.5
Chile.....	22.0	25.5	25.5	25.2
India.....	34.1	35.0	36.0	36.5
New Zealand.....	266.7	315.2	333.9	330.0
South Africa <sup>b</sup> .....	135.7	164.4	126.1	106.9
Spain.....	38.0	36.2	33.8	29.8
Uruguay.....	82.0	84.0	78.0	74.0
<b>COMMUNIST COUNTRIES</b>				
<b>USSR and Eastern Europe</b> .....	<b>427</b>	<b>436</b>	<b>508</b>	<b>513</b>
USSR.....	356.8	356.9	418.9	424.5
Eastern Europe.....	70.2	78.8	88.7	88.6
Bulgaria.....	21.0	25.8	29.0	29.9
Czechoslovakia.....	2.5	2.0	4.0	4.0
East Germany.....	7.7	8.0	7.3	7.3
Hungary.....	8.2	10.1	9.8	8.8
Poland.....	9.0	7.5	8.9	9.1
Romania.....	21.8	25.4	29.7	29.5
Other				
Albania.....	2.7	2.9	N.A.	N.A.
Yugoslavia.....	13.6	12.6	11.9	N.A.

<sup>a</sup> Raw wool (grease basis) from sheep, which includes both shorn and pulled wool together with the wool element of "wooled sheepskins."

<sup>b</sup> Including data for Lesotho and South-West Africa.

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Table 144

Production of Grain Combines <sup>a</sup>

	Units			
	1960	1965	1970	1971
United States.....	30,165	38,442	21,017 <sup>b</sup>	N.A.
United Kingdom <sup>b</sup> .....	3,213	5,243	2,132	N.A.
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	67,000	91,200	103,000	106,000
USSR.....	59,000	85,800	99,200	102,000
Eastern Europe.....	8,040	5,380	4,230	4,000
East Germany.....	1,972	1,585	900	1,000
Poland.....	564	1,781	2,155	1,804
Romania.....	5,500	2,012	1,179	1,200

<sup>a</sup> Tractor-drawn and self-propelled.<sup>b</sup> Shipments.

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Table 145

Production of Tractors <sup>a</sup>

	Thousand Units			
	1960	1965	1970	1971
NATO COUNTRIES.....	<b>581</b>	<b>708</b>	<b>610</b>	<b>552</b>
United States.....	178.5	271.8	191.7	182.2 <sup>b</sup>
France.....	63.4	90.0	68.4	55.6
Italy.....	37.6	62.7	83.8	62.7
United Kingdom.....	181.0	178.5 <sup>c</sup>	160.7 <sup>c</sup>	168.0 <sup>c</sup>
West Germany <sup>d</sup> .....	120.7	105.0	105.6	84.0
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	<b>308</b>	<b>441</b>	<b>568</b>	<b>587</b>
USSR.....	238.5	354.5	458.5	472.0
Eastern Europe.....	<b>69.0</b>	<b>86.6</b>	<b>110</b>	<b>115</b>
Bulgaria.....	0 <sup>e</sup>	3.8	4.4	5.0
Czechoslovakia.....	32.5	30.5	18.5	21.8
East Germany.....	9.1	12.9	16.1	14.9
Hungary.....	2.6	3.0	1.8	1.6
Poland.....	7.7	20.6	39.5	41.2
Romania.....	17.1	15.8	29.3	30.6
Far East				
China.....	10.8	13.7	24.0	28.0
Other				
Yugoslavia.....	7.3	7.4	12.0	15.0

<sup>a</sup> Physical units. Excluding garden-type tractors.<sup>b</sup> Data for wheel-type tractors are shipments.<sup>c</sup> Shipments.<sup>d</sup> Excluding tracklaying tractors.<sup>e</sup> Production began in 1960 but was limited to a test series.

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Table 146

Consumption of Mineral Fertilizers, Nutrient Content  
Kilograms per Hectare of Arable Land <sup>a</sup>

	1960	1965	1970	1971
NATO COUNTRIES <sup>b</sup>				
United States .....	38.9	62.7	94.9	99.5
France .....	102.4	148.8	240.0	N.A.
West Germany .....	266.2	349.3	395.0	N.A.
OTHER COUNTRIES <sup>b</sup>				
India .....	2.3	4.7	12.9	N.A.
COMMUNIST COUNTRIES <sup>c</sup>				
USSR and Eastern Europe				
USSR <sup>d</sup> .....	11.4	27.3	44.2	51.0
Eastern Europe				
Bulgaria .....	33.8	79.1	140.3	139.6
Czechoslovakia <sup>b d</sup> .....	91.4	166.3	241.9	N.A.
East Germany <sup>b</sup> .....	197.4	262.7	322.6	N.A.
Hungary .....	29.5	63.2	149.4	165.1
Poland <sup>b</sup> .....	49.0	83.1	167.7	N.A.
Romania .....	8.1	25.4	56.3	N.A.
Far East				
China .....	6.7*	14.2*	27.6*	31.8*
North Korea .....	66.5*	81.5*	165.0*	182.5*
Other				
Albania .....	N.A.	16.0	80.9	N.A.
Yugoslavia .....	27.9	54.8	76.7	N.A.

\*An asterisk indicates that the data are classified.

<sup>a</sup> Land under temporary crops, gardens, fallow or idle land, and permanent crops such as orchards and vineyards.<sup>b</sup> Data are "fertilizer years"—in general, the year beginning 1 July of the stated year.<sup>c</sup> Unless otherwise indicated, data are for calendar years.<sup>d</sup> Including phosphate rock.

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Table 147

## Consumption of Nitrogen Fertilizer, Nutrient Content

Thousand Metric Tons of N

	1960	1965	1970	1971
NATO COUNTRIES <sup>a</sup> . . . . .	5,480	8,970	13,700	14,600
United States . . . . .	2,749	4,832	7,943	8,481
EUROPEAN COMMUNITY . . . . .	1,830	2,670	3,730	N.A.
France . . . . .	565	871	1,423	N.A.
West Germany . . . . .	618	874	1,131	N.A.
OTHER COUNTRIES <sup>a</sup> . . . . .				
India . . . . .	296	541	1,426	1,710
COMMUNIST COUNTRIES <sup>b</sup> . . . . .				
USSR and Eastern Europe . . . . .	1,640	3,920	7,520	N.A.
USSR . . . . .	769	2,282	4,605	5,183
Eastern Europe . . . . .	868	1,640	2,910	N.A.
Bulgaria . . . . .	101	219	379	322
Czechoslovakia <sup>a</sup> . . . . .	146	246	428	N.A.
East Germany <sup>a</sup> . . . . .	247	421	526	N.A.
Hungary . . . . .	75	180	391	395
Poland <sup>a</sup> . . . . .	274	433	822	N.A.
Romania . . . . .	25	144	367	N.A.
Far East . . . . .				
China . . . . .	545*	1,190*	2,505*	2,760*
North Korea . . . . .	111*	120*	280*	310*
Other . . . . .				
Albania . . . . .	N.A.	2	25	N.A.
Yugoslavia . . . . .	109	166	294	N.A.

\*An asterisk indicates that the data are classified.

<sup>a</sup> Data are "fertilizer years"—in general, the year beginning 1 July of the stated year.<sup>b</sup> Unless otherwise indicated, data are for calendar years.

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Table 148

## Consumption of Phosphorus Fertilizer, Nutrient Content

Thousand Metric Tons of P<sub>2</sub>O<sub>5</sub>

	1960	1965	1970	1971
NATO COUNTRIES <sup>a</sup> .....	5,510	7,470	9,620	9,500
United States.....	2,488	3,522	4,736	4,669
EUROPEAN COMMUNITY.....	2,120	2,780	3,520	N.A.
France.....	877	1,259	1,820	N.A.
COMMUNIST COUNTRIES <sup>b</sup>				
USSR and Eastern Europe.....	1,830	3,370	5,170	N.A.
USSR <sup>c</sup> .....	1,074	2,097	3,129	3,366
Eastern Europe.....	757	1,280	2,040	N.A.
Bulgaria.....	50	132	235	266
Czechoslovakia <sup>a d</sup> .....	159	255	350	N.A.
East Germany <sup>a</sup> .....	226	302	404	N.A.
Hungary.....	66	124	217	237
Poland <sup>a</sup> .....	209	354	635	N.A.
Romania.....	47	110	203	N.A.
Far East				
China.....	155*	325*	430*	605*
North Korea.....	22*	43*	50*	55*
Other				
Albania.....	N.A.	5	18	N.A.
Yugoslavia.....	71	151	182	N.A.

\*An asterisk indicates that the data are classified.

<sup>a</sup> Data are "fertilizer years"—in general, the year beginning 1 July of the stated year.<sup>b</sup> Unless otherwise indicated, data are for calendar years.<sup>c</sup> Data are for soluble phosphorus fertilizers and for ground phosphate rock used for direct application.<sup>d</sup> Including phosphate rock.

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Table 149

Consumption of Potassium Fertilizer, Nutrient Content  
Thousand Metric Tons of K<sub>2</sub>O

	1960	1965	1970	1971
NATO COUNTRIES <sup>a</sup> . . . . .	4,930	6,410	8,240	8,900
United States . . . . .	1,967	2,922	4,067	4,413
EUROPEAN COMMUNITY . . . . .	2,160	2,640	3,130	N.A.
France . . . . .	750	970	1,389	N.A.
West Germany . . . . .	1,006	1,190	1,185	N.A.
COMMUNIST COUNTRIES <sup>b</sup> . . . . .				
USSR and Eastern Europe . . . . .	1,830	3,460	5,100	N.A.
USSR . . . . .	766	1,891	2,574	2,804
Eastern Europe . . . . .	1,070	1,570	2,530	N.A.
Bulgaria . . . . .	6	10	25	48
Czechoslovakia <sup>a</sup> . . . . .	191	395	514	N.A.
East Germany <sup>a</sup> . . . . .	528	588	623	N.A.
Hungary . . . . .	27	53	229	293
Poland <sup>a</sup> . . . . .	311	516	1,114	N.A.
Romania . . . . .	3	12	24	N.A.
Far East . . . . .				
China . . . . .	10*	5*	15*	25*
North Korea . . . . .	0*	Negl.*	Negl.*	Negl.*
Other . . . . .				
Albania . . . . .	Negl.	1	2	N.A.
Yugoslavia . . . . .	103	138	156	N.A.

\*An asterisk indicates that the data are classified.

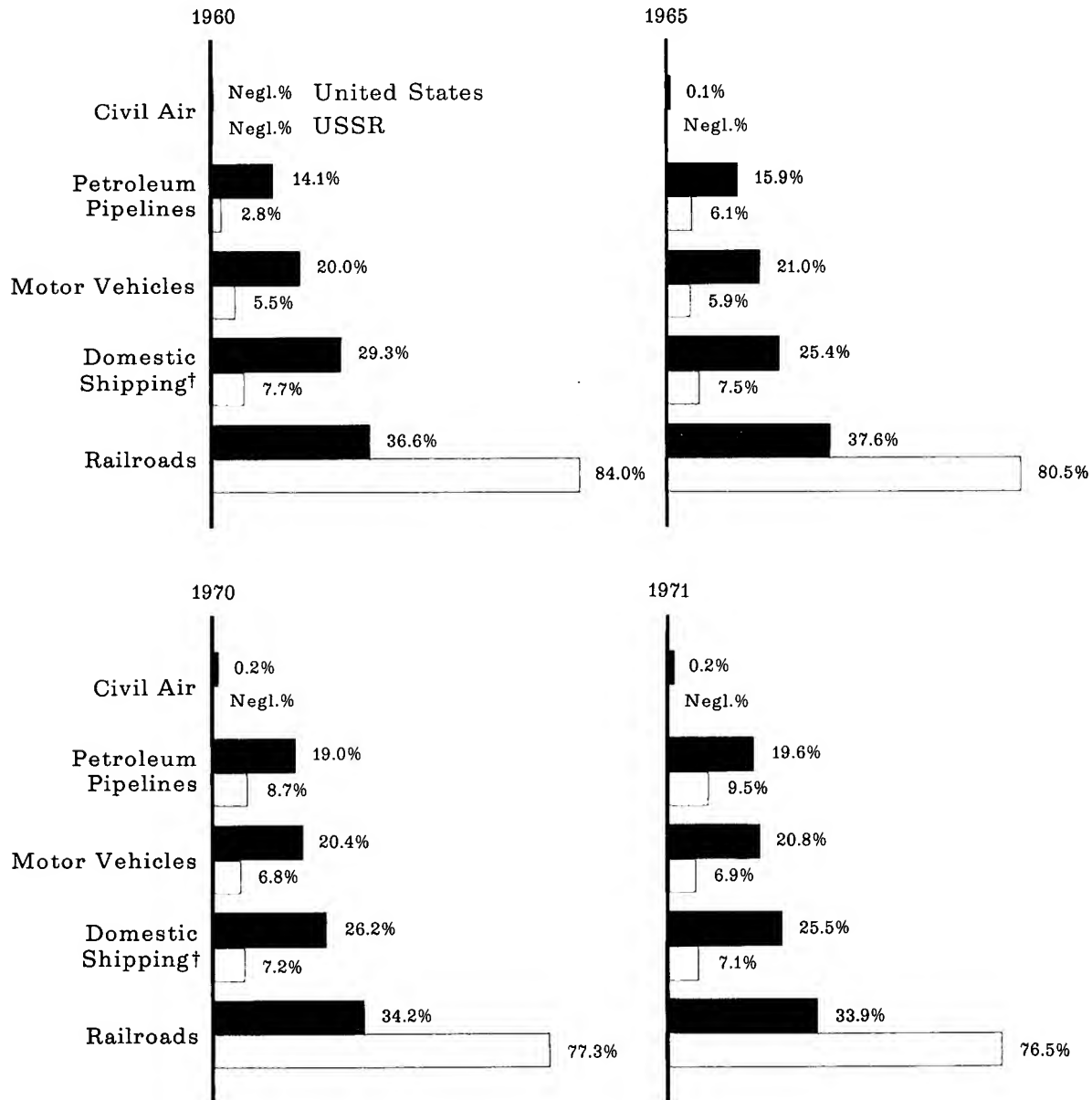
<sup>a</sup> Data are "fertilizer years"—in general, the year beginning 1 July of the stated year.

<sup>b</sup> Unless otherwise indicated, data are for calendar years.

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Figure 27

## Domestic Transport Performance in the United States and the USSR



† Including inland waterway, coastal, and intercoastal freight traffic. The US data include Great Lakes freight traffic, and the Soviet data include Caspian Sea freight traffic.

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Table 150  
Railroad Freight <sup>a</sup>

Billion Metric Ton-Kilometers

	1960	1965	1970	1971
<b>NATO COUNTRIES</b> .....	<b>1,140</b>	<b>1,360</b>	<b>1,500</b>	<b>1,490</b>
United States <sup>b</sup> .....	868.47	1,052.72	1,136.41	1,126.00
Canada <sup>b</sup> .....	95.55	127.09	157.97	171.21
France.....	56.93	64.60	70.40	66.72
Italy <sup>c</sup> .....	15.86	15.29	18.13	17.26
United Kingdom <sup>d</sup> .....	30.50 <sup>e f</sup>	25.23	26.81	22.08
West Germany.....	52.27	57.13	70.27	65.76
<b>OTHER COUNTRIES</b> .....				
India <sup>e f</sup> .....	87.76	117.00	120.94	122.00
Japan.....	53.44	57.25	62.65	62.48
South Africa <sup>e g</sup> .....	30.80	42.73	57.18	53.97
<b>COMMUNIST COUNTRIES</b> .....				
USSR and Eastern Europe.....	<b>1,690</b>	<b>2,180</b>	<b>2,770</b>	<b>2,930</b>
USSR.....	1,504.30	1,950.20	2,494.70	2,637.00
Eastern Europe.....	<b>182</b>	<b>230</b>	<b>274</b>	<b>289</b>
Bulgaria.....	6.98	10.78	13.86	14.92
Czechoslovakia.....	43.90	53.25	55.91	58.85
East Germany.....	32.86	38.87	41.51	44.03
Hungary.....	13.31	17.29	19.82	20.51
Poland.....	66.55	81.01	99.26	104.33
Romania.....	18.83	28.70	43.72	46.26
Far East				
China.....	228	199	272	301
North Korea.....	9.10	10.50	13.50	13.90
Other				
Albania.....	0.05	0.10	0.15	0.18
Yugoslavia <sup>f</sup> .....	15.19	18.04	19.25	20.80

<sup>a</sup> Excluding urban systems; plantation, forest, mine, industrial plant, underground, funicular, and cable railways; and short lines of little importance. Unless otherwise indicated, data are for the state or principal railroad system and include all goods and livestock carried during the calendar year and exclude service traffic, mail, and nonrevenue government stores. Freight traffic carried on more than one railroad line within a country is counted only once. Foreign trade freight traffic carried through more than one country, however, is counted in each country. Data for the United States include express and mail and are specifically for revenue and nonrevenue freight traffic for a more realistic comparison with Soviet methods of reporting.

<sup>b</sup> Including secondary or private railroads operating as common carriers.

<sup>c</sup> Excluding livestock.

<sup>d</sup> Excluding data for Northern Ireland.

<sup>e</sup> Including mail and passenger baggage. Data are for the year beginning 1 April of the stated year.

<sup>f</sup> Including service traffic.

<sup>g</sup> Including South-West Africa.

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Table 151  
Railroad Freight <sup>a</sup>

Million Metric Tons

	1960	1965	1970	1971
<b>NATO COUNTRIES</b> .....	<b>2,470</b>	<b>2,660</b>	<b>2,760</b>	<b>N.A.</b>
United States <sup>b</sup> .....	1,180.5	1,341.7	1,426.3	1,440.0
Canada <sup>b</sup> .....	161.1	204.4	234.1	220.4
France.....	227.0	238.7	260.0	N.A.
United Kingdom <sup>c</sup> .....	253.1 <sup>b</sup>	232.4 <sup>b</sup>	202.0	192.0
West Germany <sup>b d</sup> .....	429.2	423.1	392.6	N.A.
<b>COMMUNIST COUNTRIES</b>				
USSR and Eastern Europe.....	<b>2,820</b>	<b>3,520</b>	<b>4,140</b>	<b>4,330</b>
USSR.....	1,884.9	2,415.3	2,896.0	3,048.6
Eastern Europe.....	<b>931</b>	<b>1,100</b>	<b>1,240</b>	<b>1,290</b>
Bulgaria.....	38.4	56.0	68.2	70.2
Czechoslovakia.....	194.1	218.5	237.6	250.1
East Germany.....	237.8	260.4	262.9	268.0
Hungary <sup>e</sup> .....	96.0	114.0	117.0	118.0
Poland.....	286.9	341.3	382.3	398.1
Romania.....	77.5	114.4	171.0	180.9
Far East				
China.....	470	410	560	620
North Korea.....	38.5	52.5	64.0	66.0
Other				
Albania.....	0.9	1.6	2.4	2.8
Yugoslavia <sup>d</sup> .....	65.2	74.8	75.4	80.0

<sup>a</sup> Excluding urban systems; plantation, forest, mine, industrial plant, underground, funicular, and cable railways; and short lines of little importance. Unless otherwise indicated, data are for the state or principal railroad system and include all goods and livestock carried during the calendar year and exclude service traffic, mail, and nonrevenue government stores. Freight traffic carried on more than one railroad line within a country is counted only once. Foreign trade freight traffic carried through more than one country, however, is counted in each country. Data for the United States are in tons originated, thus giving a more realistic comparison with European methods of reporting.

<sup>b</sup> Including secondary or private railroads operating as common carriers.

<sup>c</sup> Including data for Northern Ireland.

<sup>d</sup> Including service traffic.

<sup>e</sup> Including performance of railroads owned jointly by Hungary and Austria within Hungary.

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Table 152

## Motor Vehicle Freight

Million Metric Ton-Kilometers

	1960	1965	1970	1971
<b>NATO COUNTRIES</b>				
United States <sup>a</sup> .....	473,000	589,000	676,000	692,000
<b>OTHER COUNTRIES</b>				
Japan.....	20,800	48,400	136,000	138,000
<b>COMMUNIST COUNTRIES <sup>b</sup></b>				
USSR and Eastern Europe.....	120,000	175,000	280,000	303,000
USSR.....	98,520	143,083	220,800	238,000
Eastern Europe.....	21,000	32,400	58,800	64,600
Bulgaria.....	2,039	3,821	7,902	8,340
Czechoslovakia.....	5,108	6,975	10,094	10,800
East Germany.....	5,002	7,213	12,233	12,993
Hungary.....	1,580	2,726	5,820	6,700
Poland.....	5,692	8,376	15,761	17,930
Romania.....	1,600	3,270	6,970	7,810
<b>Far East</b>				
China.....	N.A.	N.A.	17,500	19,000-20,000
North Korea.....	552	765*	N.A.	N.A.
<b>Other</b>				
Albania.....	328	454	810	900

\*An asterisk indicates that the data are classified.

<sup>a</sup> Total traffic for all urban streets and rural roads.<sup>b</sup> Including traffic by state automotive transport organizations and by cooperatives; branch enterprises; and transport units of industries, plants, offices, and the like.

Table 153

Motor Vehicle Freight Traffic <sup>a</sup>

Million Metric Tons Carried

	1960	1965	1970	1971
<b>COMMUNIST COUNTRIES</b>				
USSR and Eastern Europe.....	9,990	13,000	18,000	19,400
USSR.....	8,492.7	10,746.0	14,622.8	15,762.0
Eastern Europe.....	1,490	2,230	3,330	3,640
Bulgaria.....	128.3	281.3	492.8	497.1
Czechoslovakia.....	428.4	577.7	703.0	768.4
East Germany.....	270.3	345.8	464.0	495.0
Hungary.....	135.1	239.2	407.0	447.0
Poland.....	408.2	569.4	862.6	980.1
Romania.....	123.0	218.0	399.6	451.5
<b>Far East</b>				
China.....	N.A.	N.A.	500	550-575
North Korea.....	78.6	116.0*	N.A.	N.A.
<b>Other</b>				
Albania.....	10.3	17.0	35.0	39.0

\*An asterisk indicates that the data are classified.

<sup>a</sup> Including traffic by state automotive transport organizations and by cooperatives; branch enterprises; and transport units of industries, plants, offices, and the like.



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Table 154

## Inland Water Freight

Million Metric Ton-Kilometers

	1960	1965	1970	1971
NATO COUNTRIES.....	200,000	248,000	330,000	N.A.
United States <sup>a</sup> .....	123,000	162,553	229,209	221,000
EUROPEAN COMMUNITY.....	76,400	85,400	101,000	N.A.
France.....	10,773	12,510	14,183	N.A.
Netherlands.....	20,020	24,070	30,743	N.A.
West Germany.....	40,390	43,308	48,813	N.A.
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	107,000	143,000	187,000	197,000
USSR.....	99,602	133,928	173,984	183,700
Eastern Europe.....	7,560	9,410	12,800	13,000
Bulgaria.....	615	1,062	1,832	2,083
Czechoslovakia.....	1,962	2,172	2,434	2,500
East Germany.....	1,901	1,859	2,358	2,350
Hungary.....	1,308	1,682	2,500	2,500
Poland.....	904	1,409	2,295	2,150
Romania.....	865	1,222	1,346	1,400
Other				
Yugoslavia.....	3,272	4,354	5,461	5,500

<sup>a</sup> Internal, intraport, and local water traffic, excluding Great Lakes traffic. For 1970, coastwise and foreign trade traffic within US waters together amounted to 69 billion metric ton-kilometers. In the same year, traffic on the Great Lakes amounted to 117 billion metric ton-kilometers of domestic trade and 50 billion metric ton-kilometers of US foreign trade.

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Table 155

## Inland Water Freight

Million Metric Tons Carried

	1960	1965	1970	1971
NATO COUNTRIES.....	821	1,000	1,210	N.A.
United States <sup>a</sup> .....	358.56	428.63	502.22	501.00
EUROPEAN COMMUNITY.....	453	563	697	N.A.
France.....	68.05	89.76	110.35	N.A.
Netherlands.....	149.67	193.99	241.44	N.A.
West Germany.....	171.36	195.69	240.00	N.A.
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	234	297	395	419
USSR.....	210.32	269.44	357.76	380.70
Eastern Europe.....	23.8	27.8	37.3	38.6
Bulgaria.....	1.56	2.32	3.69	3.96
Czechoslovakia.....	3.53	4.06	4.50	4.60
East Germany.....	11.50	11.30	13.66	13.70
Hungary.....	2.40	2.60	3.20	3.20
Poland.....	2.95	4.68	8.84	9.59
Romania.....	1.91	2.87	3.40	3.50
Other				
Yugoslavia.....	10.04	13.26	22.10	24.00

<sup>a</sup> Internal, intraport, and local water traffic, excluding Great Lakes traffic.

Table 156

## Air Passenger Traffic

Billion Passenger-Kilometers

	1960	1965	1970	1971
NATO COUNTRIES				
United States <sup>a</sup> .....	62.54	110.52	211.97	218.31
Canada.....	4.27	7.56	15.40	N.A.
France.....	5.23	7.51	13.59	N.A.
United Kingdom <sup>b</sup> .....	7.32	12.49	18.95	N.A.
OTHER COUNTRIES				
Japan.....	1.05	4.59	16.43	N.A.
COMMUNIST COUNTRIES				
USSR.....	12.10	38.10	78.20	88.80

<sup>a</sup> Revenue passenger-kilometers flown on scheduled service of certificated route air carriers.<sup>b</sup> Including data for airlines based in the United Kingdom territories and dependencies.

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Table 157  
Airfreight Traffic <sup>a</sup>

	Million Metric Ton-Kilometers			
	1960	1965	1970	1971
NATO COUNTRIES				
United States <sup>b</sup> .....	1,377	3,363	7,277	7,456
Canada.....	66	155	432	N.A.
France.....	152	232	558	N.A.
Netherlands.....	117	212	399	N.A.
United Kingdom.....	181	370	625	640
West Germany.....	41	157	532	N.A.
OTHER COUNTRIES				
Japan.....	24	114	436	N.A.
COMMUNIST COUNTRIES				
USSR.....	563	1,338	1,887	1,990

<sup>a</sup> Express, freight, and mail traffic.

<sup>b</sup> Revenue ton-kilometers flown on scheduled service of certificated route air carriers.

Table 158  
Ocean Freight Traffic <sup>a</sup>

	Million Metric Ton-Kilometers			
	1960	1965	1970	1971
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	188,000	501,000	921,000	N.A.
USSR <sup>b</sup> .....	131,500	388,800	656,100	695,100
Eastern Europe.....	56,700	113,000	264,000	N.A.
Bulgaria <sup>c</sup> .....	2,540	9,064	38,949	35,000
Czechoslovakia.....	7,472	8,261	10,502	N.A.
East Germany <sup>c</sup> .....	10,518	30,204	69,721	N.A.
Hungary <sup>d</sup> .....	230	338	1,120	N.A.
Poland <sup>e</sup> .....	34,828	56,381	106,620	128,465
Romania.....	1,065	8,368	37,490	N.A.
Far East				
North Korea <sup>f</sup> .....	135	283*	N.A.	N.A.
Other				
Albania <sup>c</sup> .....	269	977	N.A.	N.A.

\*An asterisk indicates that the data are classified.

<sup>a</sup> Unless otherwise indicated, data are for international shipping and include the performance of ships of less than 1,000 gross register tons.

<sup>b</sup> Including Caspian Sea, Danube River, and domestic coastal and intercoastal traffic.

<sup>c</sup> Including coastal traffic.

<sup>d</sup> Including Danube River traffic.

<sup>e</sup> Possibly excluding the performance of some ships flying the Polish flag but under the control of the Chinese-Polish Shipbrokers Corporation. At the end of 1971 there were 11 of these ships, totaling 138,026 deadweight tons.

<sup>f</sup> Including both modern coastal and inland water traffic.

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Table 159

## Petroleum Pipeline Transportation

Billion Metric Ton-Kilometers

	1960	1965	1970	1971
NATO COUNTRIES				
United States.....	333.8	447.3	629.2	654.1
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	N.A.	155	300	N.A.
USSR.....	51.2	146.7	281.6	328.5
Eastern Europe.....	N.A.	7.9	18.1	N.A.
Czechoslovakia.....	N.A.	3.2	6.4	N.A.
East Germany.....	0	0.1	2.2	N.A.
Hungary.....	0.1	0.3	0.7	N.A.
Poland.....	N.A.	3.2	7.0	N.A.
Romania.....	1.0	1.1	1.8	N.A.

Table 160

## Petroleum Pipeline Transportation

Billion Metric Tons Carried

	1960	1965	1970	1971
NATO COUNTRIES				
United States <sup>a</sup> .....	414.7	554.9	784.6	820.0
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	N.A.	254	402	N.A.
USSR.....	129.9	225.7	339.9	352.6
Eastern Europe.....	N.A.	28.1	61.7	N.A.
Czechoslovakia.....	N.A.	7.0	13.4	N.A.
East Germany.....	0	3.8	15.3	N.A.
Hungary.....	1.2	3.8	6.3	N.A.
Poland.....	N.A.	6.1	15.4	N.A.
Romania.....	5.6	7.4	11.3	N.A.

<sup>a</sup> Data are for tons originated, thus giving a more realistic comparison with the Communist countries.

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## ALL DATA IN THIS TABLE ARE SECRET

Table 161

Construction of Naval Ships, by Type <sup>a</sup>

		Units			
		1968	1969	1970	1971
<b>COMMUNIST COUNTRIES</b>					
<b>USSR</b>					
Submarines					
Attack					
Nuclear.....	V.....	2	2	2	2
Diesel.....	F and B.....	2	5	4	2
Ballistic missile					
Nuclear.....	Y.....	5	5	8	7
Cruise missile					
Nuclear.....	C and P.....	2	2	3	2
Diesel.....	J.....	3	.....	.....	.....
Helicopter carrier.....	Moskva.....	.....	1	.....	.....
Destroyers					
Guided missile.....	Krivak, Kashin, Kresta I, and Kresta II.....	5	4	3	4
Guided missile motorboats....	Osa, Komar, and Nanuchka.....	18	20	11	8
Patrol craft.....	Mirka, Petya, Poti, SO-1, and Grisha.....	22	29	8	6
Patrol craft.....	MO-VI, P-6, P-10, Shershen, Pchela, and Stenka..	14	16	18	10
Mine ships.....	Vanya, Yurka, Alesha, Zhenya, and Natya.....	16	15	11	15
Auxiliaries.....	Lama and Ugra.....	2	3	2	2
Amphibious.....	Alligator and Vydra.....	28	22	10	2
<b>East Germany</b>					
Mine ships.....	Kondor.....	1	10	6	6
Auxiliaries.....	Sura.....	.....	2	1	.....
<b>Poland</b>					
Patrol craft.....	Obluze.....	1	.....	4	2
Auxiliaries.....	Moma, Amur, and Kamenka.....	4	7	12	12
Amphibious.....	Polnocny.....	10	11	3	8
<b>China</b>					
Destroyer.....	Luta.....	.....	.....	.....	1
Submarines.....	R, Ming, and Han.....	.....	3	6	12
Destroyer escort.....	Kiangnan and Kiangtung.....	1	.....	.....	.....
Guided missile motorboats....	Osa, Hoku, and Holo.....	2	3	15	18
Patrol craft.....	Hainan.....	1	2	3	4
Patrol craft.....	Torpedo boats (PTH) and motor gunboats (PGM)..	50	75	70	45
Mine ships.....	T-43.....	1	2	2	1
Auxiliaries <sup>b</sup> .....	.....	8	11	16	23
Amphibious craft.....	LCM.....	20	50	50	50
Amphibious ships.....	Yuling (LSM).....	.....	.....	1	.....

<sup>a</sup> These are CIA estimates of construction and differ somewhat from independent DIA estimates.<sup>b</sup> More than 150 feet.

## ALL DATA IN THESE TABLES ARE SECRET

Table 162

Production of Military Aircraft, by Type <sup>a</sup>

	Units							
	Bombers		Fighters <sup>b</sup>		Transports		Other <sup>c</sup>	
	1970	1971	1970	1971	1970	1971	1970	1971
United States <sup>d</sup> .....	42	24	898 <sup>e</sup>	556 <sup>e</sup>	37	49	2,486	1,640
COMMUNIST COUNTRIES <sup>f</sup> .....	57	68	1,400	1,610	54	63	980	780
USSR and Eastern Europe .....	2	3	850	810	54	63	860	660
USSR .....	2	3	850	810	54	63	340	360
Eastern Europe .....	0	0	0	0	0	0	510	300
Czechoslovakia .....	0	0	0	0	0	0	310	100
Poland .....	0	0	0	0	0	0	200	200
Far East .....	55	65	550	800	0	0	130	120
China .....	55	65	550	800	0	0	130	120

<sup>a</sup> These are CIA estimates of production and differ somewhat from independent DIA estimates.

<sup>b</sup> Including reconnaissance aircraft.

<sup>c</sup> Data are for trainers, helicopters, and antisubmarine warfare, warning, utility, and reconnaissance aircraft.

<sup>d</sup> Data are official military acceptances.

<sup>e</sup> Including attack aircraft.

<sup>f</sup> Data are estimated and rounded to two significant digits.

Table 163

Construction of Maritime Cargo Ships <sup>a</sup> in Selected Communist Countries

	1960		1965		1970		1971	
	Number	Thousand	Number	Thousand	Number	Thousand	Number	Thousand
		GRT		GRT		GRT		GRT
COMMUNIST COUNTRIES								
USSR and Eastern Europe .....	112	382	115	566	110	753	140	1,060
USSR .....	10	58.4	25	155.4	39	243.8	49	359.1
Eastern Europe .....	102	324	90	411	71	509	91	701
Bulgaria .....	3	4.1	4	10.3	0	0	6	55.2
East Germany .....	39	123.0	32	144.3	33	216.7	29	207.7
Hungary .....	16	20.7	12	15.1	4	6.0	4	5.6
Poland .....	40	166.7	33	218.5	27	265.9	35	376.4
Romania .....	4	9.6	9	22.8	7	20.6	17	55.9
Far East								
China .....	5	15.1	1	8.6	5	36.5	1	9.9

<sup>a</sup> Data are for oceangoing cargo ships of 1,000 gross register tons (GRT) or more completed during the year and exclude miscellaneous auxiliary ships, harbor craft, and small coastal ships.

## ALL DATA IN THESE TABLES ARE SECRET

Table 164

Construction of Maritime Tankers <sup>a</sup> in Selected Communist Countries

	1960		1965		1970		1971	
	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT
<b>COMMUNIST COUNTRIES</b>								
USSR and Eastern Europe.....	19	112	11	188	13	131	13	49.3
USSR.....	13	95.9	8	167.5	9	74.5	4	17.4
Eastern Europe.....	6	15.7	3	20.9	4	56.6	9	31.9
Bulgaria.....	3	11.5	2	7.6	0	0	9	31.9
East Germany.....	3	4.2	0	0	0	0	0	0
Poland.....	0	0	1	13.3	4	56.6	0	0
<b>Far East</b>								
China.....	1	3.3	2	4.7	1	10.0	4	25.2

<sup>a</sup> Data are for oceangoing tankers of 1,000 gross register tons (GRT) or more completed during the year and exclude miscellaneous auxiliary ships, harbor craft, and small coastal ships.

Table 165

Construction of Fishing Ships in Selected Communist Countries <sup>a</sup>

	1960		1965		1970		1971	
	Number	Thousand GRT <sup>b</sup>	Number	Thousand GRT <sup>b</sup>	Number	Thousand GRT <sup>b</sup>	Number	Thousand GRT <sup>b</sup>
<b>COMMUNIST COUNTRIES</b>								
USSR and Eastern Europe.....	162	187	139	327	174	360	73	325
USSR.....	30	77.2	89	190.6	95	132.4	32	155.0
Eastern Europe.....	132	109	50	137	79	228	41	170
East Germany.....	93	46.3	32	68.2	56	101.9	29	93.8
Poland.....	39	63.1	18	68.6	23	125.9	12	76.1

<sup>a</sup> The only countries listed are those in which domestic construction is a significant percentage of overall construction. Data exclude small fishing boats, seiners, and miscellaneous boats.

<sup>b</sup> Gross register tons.

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Table 166

Production of Mainline Locomotives <sup>a</sup>

	Units			
	1960	1965	1970	1971
NATO COUNTRIES				
United States <sup>b</sup> .....	886	1,793	1,113	1,216
France.....	311	293	203	180
Italy <sup>c</sup> <sup>d</sup> .....	150	141	53	159
West Germany.....	1,231	947	402	391
COMMUNIST COUNTRIES <sup>e</sup>				
USSR and Eastern Europe				
USSR.....	1,699	2,126	1,808	1,826
Eastern Europe				
Czechoslovakia.....	290	481	500	N.A.
East Germany.....	5	240	150	N.A.
Hungary <sup>f</sup> .....	0	57	52	N.A.
Poland <sup>g</sup> .....	182	391	426	380
Romania.....	10 <sup>h</sup>	110 <sup>h</sup>	265	266
Far East				
China <sup>b</sup> .....	600	50	280	300
North Korea <sup>c</sup> .....	0*	21*	25*	27*

\* An asterisk indicates that the data are classified.

<sup>a</sup> Unless otherwise indicated, data are for diesel, diesel-electric, and electric railroad locomotives of 1,000 horsepower or more.<sup>b</sup> Data are for locomotive units, delivered domestically and exported, that are substantially new but also may include a limited amount of used equipment.<sup>c</sup> Electric locomotives only.<sup>d</sup> Production for the government only. Data include rail motor vehicles.<sup>e</sup> Including diesel and diesel-electric locomotives of 750 horsepower or more.<sup>f</sup> Excluding narrow-gauge locomotives.<sup>g</sup> Diesel locomotives only.<sup>h</sup> Including steam locomotives. Production of diesel locomotives began in 1965.

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Table 167

## Production of Mainline Diesel Locomotives

	Units			
	1960	1965	1970	1971
NATO COUNTRIES <sup>a</sup>				
United States <sup>b</sup> .....	885	1,793	1,113	1,216
France.....	143	209	152	120
West Germany.....	1,110	681	300	280
COMMUNIST COUNTRIES <sup>c</sup>				
USSR and Eastern Europe				
USSR.....	1,303	1,485	1,485	1,485
Eastern Europe				
Czechoslovakia.....	121	237	351	N.A.
East Germany.....	3	185	128	N.A.
Hungary.....	0	40	30	N.A.
Poland.....	144	319	351	295
Romania.....	10	110	231	232
Far East				
China.....	0*	30*	180*	200*

\*An asterisk indicates that the data are classified.

<sup>a</sup> Including diesel and diesel-electric locomotives of 1,000 horsepower or more.

<sup>b</sup> Data are for locomotive units, delivered domestically and exported, that are substantially new but also may include a limited amount of used equipment.

<sup>c</sup> Including diesel and diesel-electric locomotives of 750 horsepower or more.

Table 168

Production of Mainline Electric Locomotives <sup>a</sup>

	Units			
	1960	1965	1970	1971
NATO COUNTRIES				
United States.....	1	0	0	0
France.....	168	84	51	60
Italy <sup>b</sup> .....	150	141	53	159
West Germany.....	121	266	102	111
COMMUNIST COUNTRIES				
USSR and Eastern Europe				
USSR.....	396	641	323	341
Eastern Europe				
Czechoslovakia.....	169	244	149	N.A.
East Germany.....	2	55	22	N.A.
Hungary <sup>c</sup> .....	0	17	22	N.A.
Poland <sup>c</sup> .....	38	72	75	85
Romania.....	N.A.	N.A.	34	34
Far East				
China.....	2*	0*	5*	5*
North Korea.....	0*	21*	25*	27*

\*An asterisk indicates that the data are classified.

<sup>a</sup> Unless otherwise indicated, data are for electric locomotives of 1,000 horsepower or more.

<sup>b</sup> Production for the government only. Data include rail motor vehicles.

<sup>c</sup> Excluding narrow-gauge locomotives.

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Table 169

Production of Railroad Freight Cars <sup>a</sup>

Thousand Units

	1960	1965	1970	1971
NATO COUNTRIES				
United States <sup>b</sup> .....	57.31	77.90	66.18	55.31
France.....	7.93	15.04	14.23	15.29
West Germany.....	6.63	11.31	9.60	12.70
OTHER COUNTRIES				
India.....	11.90	33.50	11.98	8.59
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	64.7	73.1	97.4	N.A.
USSR.....	36.40	39.60	58.28	63.70
Eastern Europe.....	28.3	33.5	39.2	N.A.
Bulgaria.....	2.01	1.58	1.99	N.A.
Czechoslovakia.....	5.15	4.30	4.35	N.A.
East Germany.....	2.14	2.17	5.71	5.31
Hungary.....	0.45	0.55	0.50	0.32
Poland.....	13.89	16.29	15.46	16.37
Romania.....	4.62	8.58	11.16	N.A.
Far East				
China.....	23.0*	6.6*	12.0*	14.0*
North Korea.....	0.6*	1.6*	3.5*	4.0*
Other				
Yugoslavia.....	3.42	4.85	2.61	N.A.

\*An asterisk indicates that the data are classified.

<sup>a</sup> Units of two, four, or more axles. The majority of the production now consists of four-axle units.<sup>b</sup> Shipments.

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Table 170

## Production of Passenger Automobiles

Thousand Units

	1960	1965	1970	1971
<b>NATO COUNTRIES.....</b>	<b>11,900</b>	<b>17,100</b>	<b>17,100</b>	<b>19,900</b>
United States <sup>a</sup> .....	6,674.8	9,305.6	6,546.8	8,584.6
Canada.....	325.8	710.7	940.4	1,096.0
France.....	1,135.6	1,374.0	2,457.6	2,694.0
Italy <sup>b</sup> .....	595.9	1,103.9	1,719.7	1,701.1
United Kingdom.....	1,352.7	1,722.0	1,640.4	1,741.9
West Germany.....	1,816.8	2,733.7	3,528.0	3,698.0
<b>OTHER COUNTRIES</b>				
Japan.....	165.1	696.2	3,178.7	3,715.2
<b>COMMUNIST COUNTRIES</b>				
USSR and Eastern Europe.....	<b>273</b>	<b>412</b>	<b>713</b>	<b>935</b>
USSR.....	138.8	201.2	344.2	529.0
Eastern Europe.....	<b>134</b>	<b>211</b>	<b>369</b>	<b>406</b>
Bulgaria.....	0	0	8.0	8.0
Czechoslovakia.....	56.2	77.7	142.9	149.0
East Germany.....	64.1	102.9	126.6	134.0
Poland.....	12.9	26.4	67.9	90.0
Romania <sup>c</sup> .....	1.2	3.7	23.6	25.0
Other				
Yugoslavia <sup>d</sup> .....	10.5	35.9	110.7	113.2

<sup>a</sup> Factory sales.<sup>b</sup> Excluding production for the armed forces.<sup>c</sup> Including jeeps.<sup>d</sup> Including vehicles assembled from imported parts.

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Table 171

Production of Trucks and Buses <sup>a</sup>

	Thousand Units			
	1960	1965	1970	1971
NATO COUNTRIES <sup>b</sup> . . . . .	<b>2,250</b>	<b>2,920</b>	<b>3,180</b>	<b>3,540</b>
United States <sup>c</sup> . . . . .	1,194.5	1,751.8	1,692.4	2,053.1
Canada . . . . .	72.0	144.8	253.2	279.4
France . . . . .	233.6	242.4	291.6	315.3
Italy <sup>d</sup> . . . . .	48.9	71.6	134.5	116.0
United Kingdom . . . . .	458.0	455.2	457.5	456.2
West Germany . . . . .	237.9	242.8	314.4	285.9
OTHER COUNTRIES				
Japan . . . . .	595.2	1,222.4	2,124.5	2,104.7
COMMUNIST COUNTRIES				
USSR and Eastern Europe . . . . .	<b>456</b>	<b>509</b>	<b>735</b>	<b>N.A.</b>
USSR . . . . .	384.8	415.1	571.9	613.7
Eastern Europe . . . . .	<b>71.0</b>	<b>93.8</b>	<b>163</b>	<b>N.A.</b>
Bulgaria . . . . .	0	0	3.2	3.1
Czechoslovakia <sup>e</sup> . . . . .	19.1	19.1	27.1	29.2
East Germany . . . . .	13.3	16.0	26.8	28.0
Hungary <sup>e</sup> . . . . .	4.4	5.3	9.8	9.2
Poland <sup>e</sup> . . . . .	23.3	34.3	52.7	59.5
Romania . . . . .	10.9	19.1	43.2	N.A.
Far East				
China . . . . .	15* <sup>f</sup>	34* <sup>f</sup>	70* <sup>f</sup>	85*
North Korea . . . . .	3.1	4.5*	9.5*	10.5
Other				
Yugoslavia . . . . .	5.5	11.9	16.2	20.0

\*An asterisk indicates that the data are classified.

<sup>a</sup> Unless otherwise indicated, data are for light and heavy trucks, wheeled tractors for road haulage, special vehicles, and buses.

<sup>b</sup> Data include complete units exported for assembly.

<sup>c</sup> Factory sales.

<sup>d</sup> Excluding production for the armed forces.

<sup>e</sup> Excluding wheeled tractors.

<sup>f</sup> Excluding buses, jeeps, and three-wheel trucks.

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Table 172

Inventory of Civil Aircraft <sup>a</sup>

	Units			
	1960	1965	1970	1971
United States				
Total airliners <sup>b</sup> . . . . .	2,110	2,070	2,650	2,620
Jet . . . . .	202	725	2,136	2,132
Turboprop . . . . .	230	312	374	350
Piston . . . . .	1,678	1,037	144	135
Transport helicopters . . . . .	25	21	16	14
USSR				
Total airliners . . . . .	1,870*	2,120*	2,570*	2,680*
Jet . . . . .	190*	230*	440*	530*
Turboprop . . . . .	180*	560*	1,190*	1,240*
Piston . . . . .	1,500*	1,330*	940*	910*
Transport helicopters . . . . .	225*	630*	900*	1,020*

\*An asterisk indicates that the data are classified.

<sup>a</sup> Data are as of the end of the year and exclude light aircraft.

<sup>b</sup> Including all aircraft that perform commercial for-hire operations. In the United States, there are about 2,500 multiengine aircraft of more than 2,000 horsepower, which are operated by private corporations and individuals. The USSR has no counterpart.

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Table 173  
Inventory of Locomotives <sup>a</sup>

	Units			
	1960	1965	1970	1971
NATO COUNTRIES.....	79,800	67,600	59,900	N.A.
United States <sup>b</sup> .....	31,178	30,061	29,122	29,060
France.....	7,963	7,360	6,072	N.A.
West Germany.....	10,442	9,592	8,536	N.A.
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	55,900*	49,800*	48,800*	49,400*
USSR.....	34,000	26,900	28,900	30,100
Eastern Europe.....	21,900*	22,900*	20,000*	19,200*
Bulgaria.....	635*	730*	680*	650*
Czechoslovakia.....	5,230	5,520	4,595	4,400
East Germany.....	6,023*	5,985*	5,000*	4,900*
Hungary.....	2,460*	2,555*	2,175*	2,100*
Poland.....	5,800	6,334	5,900	5,700
Romania.....	1,720*	1,780*	1,600*	1,500*
Far East				
China.....	5,900*	5,400*	5,900*	6,000
North Korea.....	350*	395*	490*	510*
North Vietnam.....	70*	120*	N.A.	N.A.
Other				
Albania.....	9	14	19	19
Yugoslavia.....	2,325	2,284	1,927	1,900

\*An asterisk indicates that the data are classified.

<sup>a</sup> Unless otherwise indicated, data are for the state or principal railroad system and include diesel, diesel-electric, steam, and electric locomotives. Data are as of the end of the year.

<sup>b</sup> Data are for secondary or private railroads operating as common carriers and include gas turbine locomotives.

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Table 174

Inventory of Railroad Freight Cars <sup>a</sup>

Thousand Units

	1960	1965	1970	1971
<b>NATO COUNTRIES</b>				
United States <sup>b c</sup> .....	1,945.7	1,806.2	1,803.4	1,790.0
France .....	362.2	362.3	302.4	N.A.
United Kingdom <sup>c d</sup> .....	956.0	605.6	384.2	N.A.
West Germany .....	309.6	329.5	325.2	N.A.
<b>COMMUNIST COUNTRIES</b>				
<b>USSR and Eastern Europe</b>				
USSR <sup>e</sup> .....	949.0	1,030.0	1,140.0	1,180.0
<b>Eastern Europe</b>				
Bulgaria .....	22.0	33.0	37.8	39.3
Czechoslovakia .....	129.3	136.1	135.8	134.5
East Germany <sup>f</sup> .....	154.3	152.0	145.0	144.0
Hungary <sup>f</sup> .....	62.0	73.4	71.4	71.9
Poland <sup>f</sup> .....	249.0	263.9	274.3	279.1
Romania .....	55.5	68.6	86.0	89.0
<b>Far East</b>				
China <sup>g</sup> .....	132*	143*	175* <sup>h</sup>	185 <sup>h</sup>
North Korea <sup>g</sup> .....	10.4*	15.2*	23.8*	27.2*
North Vietnam .....	1.0*	1.6*	N.A.	N.A.
<b>Other</b>				
Albania <sup>f</sup> .....	0.5	0.9	1.4	1.9
Yugoslavia .....	72.6	72.4	62.3	61.0

\*An asterisk indicates that the data are classified.

<sup>a</sup> Units of two, four, or more axles. Unless otherwise indicated, data refer to both state and private ownership of cars used on the state or principal railroad system. Data are as of the end of the year. Because of the lack of comparability in data, totals for the NATO and the Communist countries are omitted.

<sup>b</sup> Units of four or more axles.

<sup>c</sup> Including secondary or private railroads operating as common carriers.

<sup>d</sup> Excluding privately owned tank cars and including data for Northern Ireland.

<sup>e</sup> During 1966-70 the percentage of cars with four or more axles increased from 87.3% to 98.3%.

<sup>f</sup> Excluding narrow-gauge rolling stock.

<sup>g</sup> The majority are four-axle units.

<sup>h</sup> Including Chinese freight cars in transit or on loan to North Vietnam.

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Table 175

Inventory of Civilian Trucks <sup>a</sup>

	Thousand Units			
	1960	1965	1970	1971
NATO COUNTRIES.....	17,500	22,000	26,900	N.A.
United States <sup>b</sup> .....	11,329	14,035	17,789	18,600
Canada.....	1,039	1,206	1,440	N.A.
France.....	1,597	2,134	2,678	N.A.
United Kingdom <sup>c d</sup> .....	1,442	1,710	1,673	N.A.
West Germany <sup>e</sup> .....	687	975	1,141	N.A.
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	3,630	4,590	5,770	6,060
USSR.....	3,140	3,900	4,700	4,900
Eastern Europe.....	489	691	1,070	1,160
Bulgaria.....	68	96	158	163
Czechoslovakia.....	90	122	199	225
East Germany.....	132	166	229	250
Hungary.....	26	42	86	96
Poland.....	120	183	263	277
Romania.....	53	82	139	150
Far East				
China <sup>f</sup> .....	154*	230*	434*	505*
North Korea <sup>f</sup> .....	17	30*	55*	64*
Other				
Albania.....	11	11	16	17
Yugoslavia.....	51	78	138	160

\*An asterisk indicates that the data are classified.

<sup>a</sup> Unless otherwise indicated, data are as of the end of the year and include wheeled tractors for road haulage and exclude military trucks of all types.<sup>b</sup> Data are for the number of registrations of privately owned trucks and include duplications when trucks are registered in more than one state.<sup>c</sup> Including data for Northern Ireland.<sup>d</sup> As of 1 October of the stated year.<sup>e</sup> As of 1 July of the stated year.<sup>f</sup> Including both military and civilian trucks.

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Table 176

Inventory of Merchant Fleet <sup>a</sup>

	1960		1965		1970		1971	
	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT
NATO COUNTRIES <sup>b</sup> .....	10,800	79,800	9,940	85,600	8,960	98,900	8,900	105,000
United States <sup>c</sup> .....	2,960	23,870	2,449	21,203	1,780	16,918	1,478	14,979
Greece <sup>d</sup> .....	530	4,095	880	6,980	1,137	10,645	1,254	12,357
Norway .....	1,346	10,708	1,372	14,937	1,164	18,326	1,190	20,470
United Kingdom .....	2,446	19,370	2,056	19,680	1,786	23,194	1,764	25,320
West Germany .....	869	4,137	833	4,865	936	6,941	1,013	8,106
OTHER COUNTRIES <sup>b</sup> .....								
Japan .....	985	6,030	1,301	9,771	1,996	22,324	2,120	25,789
Liberia .....	946	11,308	1,240	17,424	1,754	32,406	1,913	36,800
COMMUNIST COUNTRIES .....								
USSR and Eastern Europe ..	1,020*	4,220*	1,660*	8,960*	2,320*	13,900*	2,440*	14,800*
USSR <sup>e</sup> .....	829*	3,283*	1,284*	6,906*	1,793*	10,450*	1,878*	10,987*
Eastern Europe .....	189	932	376	2,060	530*	3,470*	558*	3,780*
Bulgaria <sup>f</sup> .....	15	46	61	381	102*	634*	100*	628*
Czechoslovakia <sup>g</sup> .....	11	85	10	74	12*	98*	12*	97*
East Germany .....	29	174	95	593	126*	936*	131*	983*
Hungary .....	8	10	16	20	16*	28*	18*	33*
Poland <sup>h</sup> .....	119	585	164	865	227*	1,443*	243*	1,652*
Romania .....	7	32	30	124	47*	335*	54*	382*
Far East .....								
China <sup>i</sup> .....	147*	516*	174*	710*	256*	1,404*	284*	1,637*
North Korea .....	0	0	2	3	5*	17*	8*	29*
North Vietnam .....	0*	0*	2*	5*	6*	14*	6*	14*
Other .....								
Albania <sup>j</sup> .....	4	8	8	33	11*	54*	11*	54*
Cuba <sup>k</sup> .....	28	89	29	128	52*	315*	43*	294*
Yugoslavia <sup>k</sup> .....	130	617	174	933	190*	1,472*	182*	1,474*

\* An asterisk indicates that the data are classified.

<sup>a</sup> Ships of 1,000 gross register tons (GRT) or more. Unless otherwise indicated, data are as of the end of the year. Data for the NATO countries include all combination passenger and cargo ships, whereas, unless otherwise indicated, those for the Communist countries exclude passenger ships that have small cargo capacities.

<sup>b</sup> Data are as of midyear.

<sup>c</sup> Excluding ships operating only on the Great Lakes and US-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

<sup>d</sup> Excluding Greek-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

<sup>e</sup> Excluding the Caspian Sea fleet and including refrigerator ships and tankers serving the fishing fleet.

<sup>f</sup> Before August 1968, a few additional Bulgarian-owned ships were operated under the flags of non-Communist countries.

<sup>g</sup> Until March 1967, an undetermined number of Czechoslovak-flag ships were jointly owned with China.

<sup>h</sup> Including some ships flying the Polish flag but under the control of the Chinese-Polish Shipbrokers Corporation. At the end of 1971, there were 13 of these ships, totaling 102,000 GRT.

<sup>i</sup> Including coastal passenger ships.

<sup>j</sup> Except for 1960, data include a number of ships jointly owned by the Chinese-Albanian Joint Stock Shipping Company. At the end of 1971, there were six of these ships, totaling 42,841 GRT.

<sup>k</sup> Data are as of midyear for 1960 and 1965.

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Table 177  
Inventory of Tanker Fleet <sup>a</sup>

	1960		1965		1970		1971	
	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT
NATO COUNTRIES <sup>b</sup> . . . . .	2,160	25,400	1,940	30,600	1,880	40,400	1,950	45,300
United States <sup>c</sup> . . . . .	428	4,910	351	4,762	301	4,652	293	4,641
France . . . . .	142	1,837	156	2,302	140	3,537	137	3,996
Greece <sup>d</sup> . . . . .	57	798	114	1,753	200	3,879	223	4,630
Italy . . . . .	147	1,587	146	1,951	188	2,697	202	2,959
Norway . . . . .	508	6,215	478	8,312	355	8,952	367	10,180
United Kingdom . . . . .	607	6,869	440	7,517	431	11,127	446	12,932
OTHER COUNTRIES <sup>b</sup> . . . . .								
Japan . . . . .	124	1,444	222	3,592	356	8,519	375	10,210
Liberia . . . . .	408	7,179	507	10,701	718	19,100	747	21,436
Panama . . . . .	183	2,445	145	2,429	174	3,377	177	3,400
Spain . . . . .	51	413	66	618	106	1,421	108	1,677
COMMUNIST COUNTRIES . . . . .								
USSR and Eastern Europe . . . . .	140*	923*	234*	2,500*	342*	3,640*	353*	3,700*
USSR <sup>e</sup> . . . . .	128*	820*	205*	2,204*	307*	3,166*	319*	3,231*
Eastern Europe . . . . .	12	103	29	300	35*	473*	34*	471*
Bulgaria . . . . .	2	10	12	118	17*	165*	16*	153*
Czechoslovakia . . . . .	1	13	0	0	0*	0*	0*	0*
East Germany . . . . .	4	33	10	94	9*	176*	10*	197*
Poland . . . . .	5	47	5	63	5*	63*	4*	52*
Romania . . . . .	0	0	2	25	4*	69*	4*	69*
Far East . . . . .								
China . . . . .	11*	22*	17*	88*	38*	257*	43*	292*
North Vietnam . . . . .	0*	0*	0*	0*	3*	8*	3*	8*
Other . . . . .								
Cuba <sup>f</sup> . . . . .	2	3	2	5	5*	31*	5*	39*
Yugoslavia <sup>f</sup> . . . . .	6	40	11	64	17*	228*	18*	241*

\*An asterisk indicates that the data are classified.

<sup>a</sup> Tankers and whaling tankers of 1,000 gross register tons (GRT) or more. Unless otherwise indicated, data are as of the end of the year.

<sup>b</sup> Data are as of midyear.

<sup>c</sup> Excluding ships operating only on the Great Lakes and US-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

<sup>d</sup> Excluding Greek-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

<sup>e</sup> Excluding the Caspian Sea Fleet.

<sup>f</sup> Data are as of midyear for 1960 and 1965.

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Table 178  
Telephones in Use <sup>a</sup>

	Thousand Units			
	1960	1965	1970	1971
NATO COUNTRIES.....	108,000	140,000	188,000	N.A.
United States.....	74,342	93,656	120,218	125,000
Canada.....	5,728	7,456	9,752	N.A.
France.....	4,358	6,117	8,774	N.A.
Italy.....	3,861	5,981	9,369	N.A.
United Kingdom <sup>b</sup> .....	8,270	10,704	14,967	N.A.
West Germany.....	5,994	8,802	13,835	N.A.
OTHER COUNTRIES				
Japan.....	5,526	13,999	26,233	N.A.
COMMUNIST COUNTRIES <sup>c</sup>				
USSR and Eastern Europe.....	6,680	13,300	21,100	23,200
USSR <sup>d</sup> .....	2,697	7,700	13,500	15,100
Eastern Europe.....	3,980	5,560	7,590	8,050
Bulgaria.....	172	279	473	534
Czechoslovakia <sup>e</sup> .....	1,016	1,491	2,003	2,090
East Germany.....	1,292	1,659	2,089	2,190
Hungary.....	418	528	712	760
Poland.....	881	1,294	1,870	1,990
Romania <sup>e</sup> .....	201	306	440	490
Other				
Albania.....	7	11	N.A.	N.A.
Cuba.....	200	231	291	320
Yugoslavia.....	260	415	720	850

<sup>a</sup> Unless otherwise indicated, data are as of the end of the year and are for both private and public telephones in use that can be connected to a central exchange.

<sup>b</sup> Data are as of 31 March of the following year.

<sup>c</sup> Telephones operated by the various civil departments of post and telecommunications and, unless otherwise indicated, excluding telephones serviced by other functional ministries and the military.

<sup>d</sup> Beginning in 1965, data include telephones used by the functional ministries and exclude those used by the military.

<sup>e</sup> Telephone subscribers.

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Table 179  
Production of Radio Receivers <sup>a</sup>

	Thousand Units			
	1960	1965	1970	1971
NATO COUNTRIES.....	30,100	37,700	36,100	N.A.
United States <sup>b</sup> .....	17,969	25,731	17,781	20,036
Belgium.....	1,103	1,240	1,923	N.A.
Canada <sup>c</sup> .....	696	931	2,004	1,996
France.....	2,214	2,298	2,922	2,864
Italy.....	935	1,195	3,300	N.A.
United Kingdom.....	2,504	1,912	1,312	1,560
West Germany.....	4,313	4,071	6,627	5,310
OTHER COUNTRIES				
Japan.....	12,851	22,937	32,618	28,092
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	6,410	7,570	10,800	11,800
USSR.....	4,165	5,160	7,815	8,794
Eastern Europe.....	2,240	2,410	3,020	3,010
Bulgaria.....	157	130	145	148
Czechoslovakia.....	270	298	416	385
East Germany.....	810	808	807	886
Hungary.....	212	228	206	215
Poland.....	627	624	987	893
Romania.....	167	323	455	484
Far East				
China.....	1,500	1,500*	N.A.	N.A.
Other				
Yugoslavia.....	244	504	277	236

\* An asterisk indicates that the data are classified.

<sup>a</sup> Civilian radio receivers and radio-phonograph combinations.

<sup>b</sup> Data for radio-phonograph combinations are factory sales.

<sup>c</sup> Receiving sets for home use only.

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Table 180

## Production of Television Receivers

Thousand Units

	1960	1965	1970	1971
NATO COUNTRIES.....	12,400	18,900	19,400	N.A.
United States.....	5,828	11,028	9,483	11,197
France.....	655	1,250	1,511	N.A.
Italy.....	728	1,042	2,030	N.A.
United Kingdom.....	2,141	1,591	2,214	2,397
West Germany.....	2,164	2,776	2,929	2,540
OTHER COUNTRIES				
Japan.....	3,578	4,190	13,782	13,557
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	2,720	5,360	8,870	N.A.
USSR.....	1,726	3,655	6,682	5,800
Eastern Europe.....	989	1,700	2,190	N.A.
Bulgaria.....	Negl.	74	193	159
Czechoslovakia.....	263	274	383	352
East Germany.....	416	537	380	415
Hungary.....	139	267	338	N.A.
Poland.....	171	452	616	631
Romania.....	Negl.	101	280	300
Other				
Yugoslavia.....	14	254	320	317

Table 181

Production of Semiconductors <sup>a</sup>

Million Units

	1960	1965	1970	1971
United States.....	313.3	1,520.4	2,655.3	2,771.7
COMMUNIST COUNTRIES				
USSR and Eastern Europe.....	55.0*	405*	1,360*	1,620*
USSR.....	55.0*	350.0*	1,100.0*	1,300.0*
Eastern Europe.....	Negl.*	55.3*	256*	322*
Bulgaria.....	Negl.*	1.5*	30.0*	35.0*
Czechoslovakia.....	Negl.*	8.4*	40.0*	50.0*
East Germany.....	Negl.*	24.0*	110.0*	140.0*
Hungary.....	Negl.*	7.7*	35.0*	40.0*
Poland.....	Negl.*	7.7	26.5	32.0
Romania.....	Negl.*	6.0*	15.0*	25.0*

\* An asterisk indicates that the data are classified.

<sup>a</sup> Semiconductor diodes; rectifiers; transistors; and, beginning in 1971, integrated circuits.

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Table 182

Radio Receivers in Public Use <sup>a</sup>

Thousand Units

	1960	1965	1970	1971
<b>NATO COUNTRIES</b>				
United States.....	168,300	242,000	336,000	353,500
Canada.....	8,050	12,000	15,890	N.A.
West Germany <sup>b</sup> .....	15,890	26,000	19,620	N.A.
<b>OTHER COUNTRIES</b>				
Mexico.....	3,300	8,593	14,005	N.A.
<b>COMMUNIST COUNTRIES <sup>c</sup></b>				
USSR and Eastern Europe.....	44,400	57,200	68,900	69,600
USSR.....	27,811	38,228	48,600	49,200
Eastern Europe.....	16,600	19,000	20,300	20,400
Bulgaria.....	869	1,400	1,555	1,560
Czechoslovakia <sup>b</sup> .....	3,104	3,100	3,174	3,150
East Germany <sup>b</sup> .....	5,574	5,743	5,985	6,016
Hungary <sup>b</sup> .....	1,969	2,321	2,630	2,700
Poland.....	3,796	4,537	4,697	4,730
Romania <sup>b</sup> .....	1,283	1,920	2,241	2,280
<b>Other</b>				
Albania.....	54	82	N.A.	N.A.
Yugoslavia <sup>b</sup> .....	1,562	2,783	3,400	3,500

<sup>a</sup> Data are as of the end of the year.<sup>b</sup> Radio subscribers.<sup>c</sup> Excluding wired loudspeakers.

Table 183

Television Receivers in Public Use <sup>a</sup>

Thousand Units

	1960	1965	1970	1971
<b>NATO COUNTRIES</b>	<b>82,800</b>	<b>121,000</b>	<b>163,000</b>	<b>175,000</b>
United States.....	57,100	71,400	92,700	98,600
France.....	2,000	6,518	11,400	12,400
Italy.....	2,361	6,216	9,700	11,800
United Kingdom.....	11,028	15,000	16,750	17,000
West Germany.....	4,465	11,379	16,800	17,300
<b>OTHER COUNTRIES</b>				
Japan <sup>b</sup> .....	6,860	18,224	22,088	22,819
<b>COMMUNIST COUNTRIES</b>				
USSR and Eastern Europe.....	7,210	24,600	50,900	56,500
USSR.....	4,788	15,693	34,800	39,200
Eastern Europe.....	2,420	8,920	16,100	17,300
Bulgaria.....	3	185	1,028	1,230
Czechoslovakia.....	795	2,113	3,091	3,200
East Germany.....	1,035	3,216	4,500	4,649
Hungary.....	104	831	1,769	1,930
Poland.....	426	2,078	4,215	4,600
Romania.....	55	501	1,484	1,680
<b>Other</b>				
Yugoslavia <sup>b</sup> .....	30	577	1,796	2,050

<sup>a</sup> Data are as of the end of the year and include monochrome and color television receivers.<sup>b</sup> Television subscribers.

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Table 184

## Selected Conversion Factors

To Convert From	To	Multiply By
Acres.....	Hectares.....	0.40468564
Acres.....	Kilometers, square.....	0.004046856
Acres.....	Meters, square.....	4,046.856
Acres.....	Miles, square.....	0.0015625
Feet.....	Meters.....	0.30480061
Feet, cubic.....	Meters, cubic.....	0.028317
Feet, cubic.....	Tons, register.....	0.01
Feet, square.....	Meters, square.....	0.09290341
Gallons, US liquid.....	Meters, cubic.....	0.0037854
Gallons, US liquid.....	Inches, cubic.....	231
Gallons, US liquid.....	Feet, cubic.....	0.1336816
Gallons, US liquid.....	Liters.....	3.785306
Hectares.....	Acres.....	2.471054
Hectares.....	Kilometers, square.....	0.01
Hectares.....	Miles, square.....	0.00386101
Kilometers.....	Miles, US nautical.....	0.539957
Kilometers.....	Miles, US statute.....	0.621371
Kilometers, square.....	Acres.....	247.1054
Kilometers, square.....	Hectares.....	100
Kilometers, square.....	Miles, square.....	0.386101
Meters.....	Feet.....	3.280840
Meters.....	Yards.....	1.093613
Meters, cubic.....	Tons, register.....	0.353147
Meters, cubic.....	Feet, cubic.....	35.314667
Meters, cubic.....	Gallons, US liquid.....	264.17205
Meters, square.....	Feet, square.....	10.763910
Meters, square.....	Yards, square.....	1.195991
Miles, US nautical.....	Kilometers.....	1.852
Miles, square.....	Acres.....	640
Miles, square.....	Hectares.....	259
Miles, square.....	Kilometers, square.....	2.59
Miles, statute.....	Kilometers.....	1.609344
Ounces, troy.....	Grams.....	31.103486
Pounds, avoirdupois.....	Quintals.....	0.00453592
Pounds, avoirdupois.....	Tons, metric.....	0.000453592
Quarts, US dry.....	Liters.....	1.10119
Quarts, US liquid.....	Liters.....	0.946326
Quintals.....	Pounds.....	220.4622
Quintals.....	Tons, metric.....	0.1
Tons, long.....	Tons, metric.....	1.016047
Ton-kilometers, metric.....	Ton-miles, short.....	0.684943
Tons, metric.....	Pounds.....	2,204.622
Tons, metric.....	Quintals.....	10
Tons, metric.....	Tons, long.....	0.984206
Tons, metric.....	Tons, short.....	1.10231
Ton-miles, short.....	Ton-kilometers, metric.....	1.459975
Tons, register.....	Feet, cubic.....	100
Tons, register.....	Meters, cubic.....	2.831685
Tons, short.....	Tons, metric.....	0.907185
Yards.....	Meters.....	0.9144018
Yards, square.....	Meters, square.....	0.836127

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Table 185  
Exchange Rates for Currencies of the Communist Countries  
as of 1 April 1972

Unit of Currency		Exchange Rate			
		In Terms of US \$1		In Terms of 1 Ruble	
		Commercial Rate <sup>a</sup>	Noncom- mercial Rate <sup>b</sup>	Commercial Rate <sup>a</sup>	Noncom- mercial Rate <sup>b</sup>
USSR.....	Ruble.....	0.823	0.823		
Eastern Europe					
Bulgaria.....	Lev.....	1.08	1.85	1.3	0.78
Czechoslovakia.....	Koruna.....	6.63	15.00	8.0	9.66
East Germany.....	Deutsche Mark East.....	3.15 <sup>c</sup>	3.15	4.67 <sup>c</sup>	3.20
Hungary.....	Forint.....	10.81	27.63	13.04	13.11
Poland.....	Zloty.....	3.68	22.08	4.44	15.32
Romania.....	Leu.....	5.53	16.00	6.67	8.31
Far East					
China.....	Yuan.....	2.27	2.27	N.A.	N.A.
North Korea.....	Won.....	2.37 <sup>d</sup>	2.37 <sup>d</sup>	N.A.	N.A.
North Vietnam.....	Dong.....	2.94	3.7	3.27	1.92
Other					
Albania.....	Lek.....	5	12.5	5.56	8.4
Cuba.....	Peso.....	1.09	1.09	1.11	1.11
Mongolia.....	Tugrik.....	4.0	4.5	4.44	4.18
Yugoslavia.....	Dinar.....	17.0	17.0	16.7	16.7

<sup>a</sup> Official rates unless otherwise indicated. These rates are used for converting trade statistics.

<sup>b</sup> Rates used for noncommercial transactions such as diplomatic, tourist and student expenditures, personal remittances, and the like. Some countries have special rates for tourists and personal remittances in addition to the noncommercial rate.

<sup>c</sup> The unofficial rates actually used in East German accounting of foreign trade transactions. Official rates still listed, but not used, are 2.05 DME to US \$1 and 2.47 DME to 1 ruble.

<sup>d</sup> Based on the cross rate of exchange between the won and the Japanese yen.

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Table 186  
 Realignment of Exchange Rates

Currency Unit		Percent change from April 1971 to May 1972		National Currency per US \$	
		Relative to US \$	Relative to Gold	Central Rate <sup>a</sup>	Par Value Rate <sup>b</sup>
Belgium.....	Franc.....	11.57	2.76	44.8159	50
Canada.....	Dollar.....	8.96 <sup>c</sup>	0.36 <sup>c</sup>	0.9922 <sup>d</sup>	1.08108
Denmark.....	Krone.....	7.45	-1.00	6.98	7.50
France.....	Franc.....	8.57	0	5.1157 <sup>e</sup>	5.55419
Greece.....	Drachma.....	0	-7.89	30	30
Iceland.....	Krona.....	0	-7.89	88	88
Italy.....	Lira.....	7.48	-1.00	581.5	625
Japan.....	Yen.....	16.88	7.66	308	360
Netherlands.....	Guilder.....	11.57	2.76	3.2447	3.62
Norway.....	Krone.....	7.49	-1.00	6.64539	7.14286
Portugal.....	Escudo.....	5.50	-2.82	27.25	28.75
Sweden.....	Krona.....	7.49	-1.00	4.8129	5.17321
Switzerland.....	Franc.....	13.88	4.89	3.84	4.37282
Turkey.....	Lira.....	7.14	-1.32	14	15
United Kingdom.....	Pound.....	8.57	0	0.383772 <sup>e</sup>	0.416667
United States.....	Dollar.....	.....	-7.89	.....	.....
West Germany.....	Deutsche Mark.....	13.58	4.61	3.2225	3.66

<sup>a</sup> Unless otherwise indicated, exchange rates as of May 1972.

<sup>b</sup> Exchange rates as of April 1971.

<sup>c</sup> Continues to float; changes are for the period April 1971 to April 1972.

<sup>d</sup> Exchange rate as of April 1972.

<sup>e</sup> Par value.

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Approved For Release 2010/12/13 : CIA-RDP07-00617R000200180001-1

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